

ST. PIUS X CATHOLIC HIGH SCHOOL
Atlanta, Georgia



COURSE CATALOG
2018-2019

as of
January 2018

MISSION STATEMENT

St. Pius X, an archdiocesan high school, provides a college preparatory education for the formation of the mind, body and spirit of each student in accordance with the teachings of the Catholic Church.

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ST. PIUS X CATHOLIC HIGH SCHOOL
GRADUATION REQUIREMENTS
CLASSES OF 2019 and 2020

Credits/Subject

4 Theology

NOTE: Each semester equals .5 credit at St. Pius X

4 English * +

REQUIRED CLASSES *English I Literature and Composition (9)* *American Literature/College Writing (11)*
English II Literature and Composition (10) *British Literature/College Writing (12)*

4 Mathematics * +

REQUIRED CLASSES *Algebra I* *Geometry*
 Algebra II *At least one course beyond Algebra II*

4 Science * +

REQUIRED CLASSES *Biology (9)* *Physical Science*
 Chemistry (10) *One Science Elective*

NOTE: AP science classes not used for required fulfillment may be used as an elective

3 Social Studies * +

REQUIRED CLASSES *World History (10)* *United States History (11)*
 Economics (.5 credit) *American Government (.5 credit)*

2 World Languages * +

NOTE: Must be in one language

1 Physical Education

REQUIRED CLASSES *Health (.5 credit)* *Personal Fitness (.5 credit)*

.5 Computer Applications

NOTE: Must be taken during first year of attendance at St. Pius X

1.5 Electives

24 TOTAL CREDITS required for Graduation

Students must also participate in the Works of Mercy Apostolic Program each year at St. Pius X. Seniors who fail to complete the required Works of Mercy will not be allowed to walk at graduation. See complete Works of Mercy requirements on page 8.

* Denotes core academic area

+ AP Courses may be taken in place of equivalent required courses



ST. PIUS X CATHOLIC HIGH SCHOOL
GRADUATION REQUIREMENTS
CLASSES OF 2021 and 2022

Credits/Subject

4 Theology

NOTE: Each semester equals .5 credit at St. Pius X

4 English * +

REQUIRED CLASSES *English I Literature and Composition (9)* *American Literature/College Writing (11)*
English II Literature and Composition (10) *British Literature/College Writing (12)*

4 Mathematics * +

REQUIRED CLASSES *Algebra I* *Geometry*
 Algebra II *At least one course beyond Algebra II*

4 Science * +

REQUIRED CLASSES *Biology (9)* *Physical Science*
 Chemistry (10) *One Science Elective*

NOTE: AP science classes not used for required fulfillment may be used as an elective

3 Social Studies * +

REQUIRED CLASSES *World History (10)* *United States History (11)*
 Economics (.5 credit) *American Government (.5 credit)*

2 World Languages * +

NOTE: Must be in one language

.5 Physical Education

FRESHMAN REQUIRED CLASS *Health and Wellness*

.5 Computer Applications

FRESHMAN REQUIRED CLASS

2 Electives

24 TOTAL CREDITS required for Graduation

Students must also participate in the Works of Mercy Apostolic Program each year at St. Pius X. Seniors who fail to complete the required Works of Mercy will not be allowed to walk at graduation. See complete Works of Mercy requirements on page 8.

* Denotes core academic area

+ AP Courses may be taken in place of equivalent required courses



COURSE CATALOG INFORMATION

Levels of Instruction

The St. Pius X curriculum is a rigorous college-preparatory curriculum designed to prepare all students for entry and success in the collegiate setting. St. Pius X offers courses at multiple levels: College Preparatory (CP), College Preparatory Accelerated (CPA), Honors (H), and Advanced Placement (AP). Each level of instruction challenges the students with similar goals and objectives while incorporating various teaching and learning styles to meet student needs, to develop critical thinking skills, and to promote independence in learning.

- **College Preparatory (CP)**

These courses are designed to meet the needs of students enrolled in a college-preparatory curriculum.

- **College Preparatory Accelerated (CPA)**

These courses are designed to meet the needs of students enrolled in a college-preparatory curriculum, who can complete tasks with greater independence, and who have a demonstrated level of aptitude and achievement.

- **Honors (H) /Advanced Placement (AP)**

These courses are designed to meet the needs of students who are qualified for an advanced college-preparatory curriculum and who work with greater independence and a demonstrated high level of aptitude and achievement. Students should anticipate an average of one hour of homework per night per class.

Courses labeled Honors include a 4-point addition in the final number average provided this average is a 70% or greater. In the case of a failing grade, the student will not be awarded the 4-point addition.

- **Advanced Placement (AP)**

Students considering AP courses should carefully review the AP Course Expectations chart on pages 39-40.

Courses labeled AP include an 8-point addition in the final numeric average provided this average is a 70% or greater. In the case of a failing grade, the student will not be awarded the 8-point addition.

AP courses also require a fee of \$95 per course for the AP exam. No exam fees will be refunded for students who are removed from an AP class roster once school begins. Students enrolled in AP course(s) are required to take the AP exam(s) in May.

Student placement in any subject will be based on the student's aptitude, performance in that course of study, and teacher recommendations. Students are invited by departments to participate in AP and Honors courses based on their demonstrated ability, skills, work habits, and motivation. Students enrolled in AP and Honors courses who do not continue to demonstrate these qualities will have their invitations withdrawn from the programs.

Grade Scale

St. Pius X issues numeric grades to its students. The grade interpretations are as follows:

90 – 108	A
80 – 89	B
74 – 79	C
70 – 73	D
Below 70	F
INC	Incomplete

If work is not completed within two weeks after the semester ends, the Incomplete becomes a numeric grade. In extenuating circumstances, a student may appeal for a time extension to a committee composed of the Dean of Academics and the Dean of Students.

Length of Courses

Unless otherwise indicated as "Semester", listed courses are scheduled for the full year. Students are expected to take any full year course for the entire year and may not drop the course at semester end.

Course Registration / Scheduling

Students should work in consultation with parents and their guidance counselor to plan the appropriate course of study for their long-term goals and register for those courses accordingly.

Students must carry a minimum of six courses. Freshman and sophomore students normally carry seven; junior and senior students carry six or seven.

Courses are selected in the spring for the following school year. Teachers make placement recommendations, and students can appeal the decision/apply for AP courses prior to the beginning of course registration. Once the final schedule has been distributed, changing electives or dropping a one semester elective course for a study hall or unassigned period will not be possible.

Parent/student requests for a particular teacher will not be honored by the Academics Department.

Students are expected to take any full year course for the entire year and may not drop the course at semester end. Occasionally, extenuating circumstances require a student's schedule to be revisited. Course change requests must have the approval of the teacher and the Department Head, after which it is subject to final approval of the Dean of Academics.

Approval of schedule changes is at the discretion of the Dean of Academics and should not be expected to be honored.

Core Courses

Once a student registers for a course, level changes are not allowed. All requests for change must happen during the stated timeframe prior to course registration. Requests for additional AP courses made after the initial course registration will not be honored.

Elective Courses

Although students are asked to prioritize elective choices, no course is guaranteed. If a student lists an elective during registration, even if it is an alternate, the student will not be allowed to drop the course once schedules have been published. If the schedule dictates, students may be placed in an elective course not on their list, and elective courses are subject to cancellation due to low enrollment.

Unscheduled Time

In keeping with the school objective to develop a growing sense of responsibility in the student, the use of a non-credit study period is a system of progressive responsibility. Freshmen and sophomores are assigned to study hall. Juniors and seniors not on academic or disciplinary probation may schedule an unassigned period in addition to their lunch period. However, any student needing structured study will be assigned to a study hall.

Students may take no more than one non-credit course (study hall, unassigned, work-study, or study support) per academic year. Work Study placements take precedence over elective courses for purposes of scheduling.

Credit Awarded

A full credit is awarded for successful completion of a full year course, and a half credit is awarded for successful completion of a one semester course and for one semester of a full year course.

Students are expected to take any full year course for the entire year and may not drop the course at semester end except in extraordinary circumstances. This applies to both core and elective courses.

Once the academic year has started, courses may be dropped ONLY when the Dean of Academics deems this action advisable. In these cases, the course will be listed on the student's transcript and a "WF" (Withdrawn-Failing) or "WM" (Withdrawn-Medical) will be recorded. This applies to both core and elective courses.

Students may take no more than one non-credit course per academic year. Work Study will replace one semester of elective credit.

Credit Recovery

In the event that a student does not pass a course required for graduation, credit recovery outside of St. Pius X is required. Theology courses are an exception to this general regulation; credit(s) for Theology must be recovered at St. Pius X prior to graduation. Registration for credit recovery courses must have the approval of the Dean of Academics, and students may register for no more than two (2) courses for credit recovery over the summer months. Students who enroll in a distance learning program for credit recovery must earn a grade of "C" or better, based on the St. Pius X grading scale as stated above, in all coursework in order to receive credit from St. Pius X Catholic High School.

Failure to recover credit in summer school and provide verification of successful completion by the first full school day of the following academic year results in a student being "off-track" to graduate and therefore subject to dismissal.

Graduation

Only students who have fulfilled both academic and works of mercy graduation requirements will be permitted to participate in the graduation exercises. Seniors who reach their May graduation date needing more than three course credits (to be completed in summer school or an alternate setting) will not receive a St. Pius X diploma.

Students who fail to earn the minimum credit requirement in eight semesters and four summer school sessions may be granted one additional semester during the regular school year to make up their unearned credits. If the students do not earn the required credit during that time, they will be dropped from enrollment and be ineligible for a St. Pius X diploma.

SPX ACCEPTABLE DEVICES FOR MANDATORY BYOD

(Bring Your Own Device)

All students are required to bring their own device(s) to school for use in their classes. The device must be charged and ready to use.

Students will be expected to bring a device that allows them to access the web, take notes, and interact with an eTextbook (depending on the class) at the very least. Devices with a screen size of 10 inches or greater are highly recommended though screen sizes as low as 7 inches will be allowed. Students will connect to the SPX wireless network and will not use 3G/4G/LTE connections at school.

Acceptable Laptop Devices

- Processor - i5 or equivalent
- Windows (running Windows 7 or higher)
- Mac (running OS X 10.7 or higher) with Chrome browser installed
- Chromebook (running Chrome OS 31 or higher)

Acceptable Tablet Devices (an attachable keyboard is highly recommended)

- Apple iPad (running iOS 7 or higher)
- Android-based tablet (running Android 4.0 or higher, with access to Google Play Store) - Google Nexus or Samsung Galaxy tablets are recommended
- Windows-based tablet (running Windows 8 or higher)

Examples of Unacceptable Devices (do not meet the specifications above and may not be used for BYOD):

- Devices with a screen size less than 7 inches (including but not limited to cell phones)
- Amazon Kindles
- Barnes and Noble Nooks

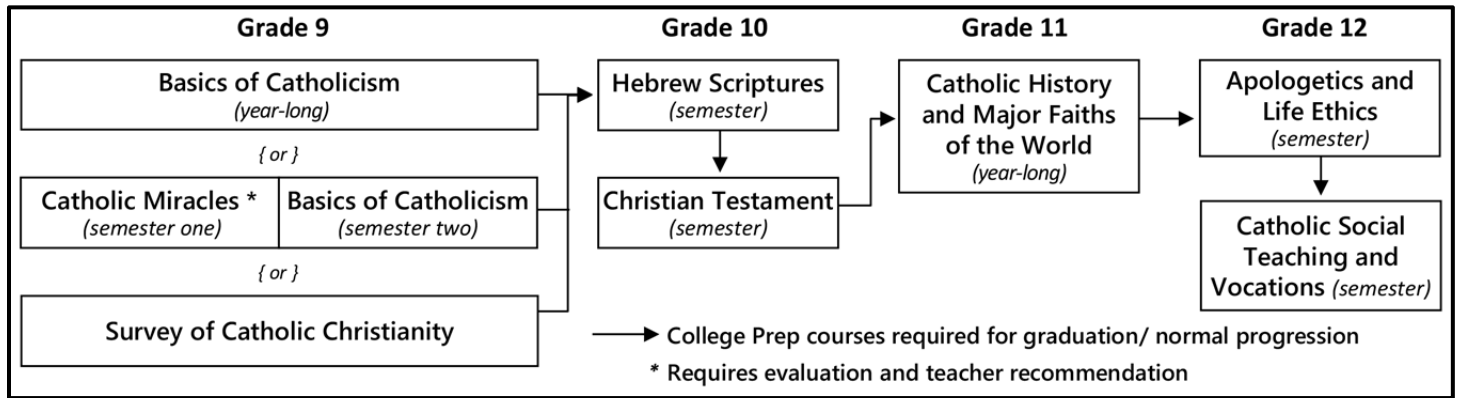
THEOLOGY

Works of Mercy Requirement

All students will have the opportunity for Christian growth and development of Catholic values. Students must complete five (5) Apostolic Projects per year. Each project must be no fewer than two (2) hours in length. Of the five projects, at least three (3) must be from the Works of Mercy list found on the spx.org website. The remaining two projects are the choice of the student but must be approved by Campus Ministry.

Failure to meet the requirements of the program will be reflected in a 10-point deduction from the second semester Theology grade. In addition, Freshmen, Sophomores, and Juniors who do not complete the requirement will not be allowed to be out of uniform on any day for the following school year.

Seniors who do not complete the requirement will not be allowed to walk at the graduation ceremony.



Grade 9

Basics of Catholicism CP

Course No: 990000704

NOTE: The first semester of this course may be replaced by Catholic Miracles and Apparitions.

This course provides a survey of the basic and essential tenets of the Catholic faith. The key components addressed help to develop a common vernacular that acts as a catalyst to each student's continued development in future Theology courses. The Fall semester, through an in-depth study of the Nicene Creed, presents significant doctrines and dogmas regarding the Trinity, Ecclesiology, and Scripture. The Spring semester begins with a systematic overview of the Sacramental life of the Church, and is followed by an in-depth examination of Morality with an emphasis on the Ten Commandments and Beatitudes and how they are applicable to modern moral questions.

Catholic Miracles and Apparitions CP (Semester)

Course No: 990000705

PRE-REQUISITE: Freshmen students wishing to take this course must first attain a satisfactory score on an entrance exam that demonstrates they have mastered the material covered in the Basics of Catholicism course that they would otherwise be required to take as the standard ninth grade Theology course.

NOTE: Students in this course will be assigned to Basics of Catholicism for semester two.

Drawing on the teaching of the Catholic Church that miracles are "the most certain signs of divine Revelation...which show that the assent of faith is 'by no means a blind impulse of the mind'" (CCC #156), this course provides students who have a strong catechetical foundation with the opportunity to study the phenomena of miracles and apparitions within the Catholic Tradition. The course will examine the definition of miracles and apparitions and how the Catholic Church determines which claims of miracles and apparitions are authentic. Additionally, students will trace the key miracles that God has performed and apparitions he has allowed in history, from those contained in the Scriptures to the present day, and seek to understand what God intended humanity to learn about Himself from those proofs. Finally, students will be equipped to realize that they encounter the miraculous in the life of the Church today, whether in the Eucharist, the action of the Holy Spirit in their lives, or modeling the saints whose lives were affected by miracles.

Survey of Catholic Christianity CP

Course No: 990000702

NOTE: This course is provided primarily for students who have had no sustained formal involvement in a school's religious education or parish catechetical program. Placement into this class is based on student transcript data, entrance test data, and faculty input.

Although this course covers the same material as *Basics of Catholicism*, *Survey of Catholicism* is offered for students who have little to no familiarity with either Catholicism, the life of a Catholic school, or both. The course is presented in a way that provides students a forum in which they are encouraged to ask questions, raise concerns, and engage in discussions about Catholicism and the nature and purpose of Theology classes in the life of a Catholic school.

Grade 10

Hebrew Scriptures CP (Semester)

Course No: 990000706

This course involves historical and theological overviews of the Hebrew Bible. The course is a study of the People of the Covenant and their relationship with God. Themes covered include creation, the patriarchs, the Mosaic Law, the rise and fall of the Kingdom of Israel, the prophets, worship, and sacrifice. The course teaches students that the Hebrew Scriptures are the biblical roots of Christianity. The course approaches the teaching and interpretation of Scripture from the *Catechism of the Catholic Church*.

Christian Testament CP (Semester)

Course No: 990000709

The Church's understanding of Jesus is at the heart of everything that Catholics believe in, do, and are, as persons of faith. The Christian Testament together with the living faith tradition of the Church provide the basis for the Catholic Christian Faith. This course teaches the scriptural roots of our faith as found in the Gospels, Acts of the Apostles, and letters of Paul. This course also invites the students to grow in their love and understanding of the Christian Testament and of Jesus Christ of History who is also the Christ of Faith.

Grade 11

Catholic History and Major Faiths of the World CP

Course No: 990000715

This course examines the complex history of the Catholic Church in the world, from its beginnings to the 20th century. At the same time, taking its cue from Vatican II's document "*Nostra Aetate*," the course chronicles the Church's encounters with major faith traditions, both Christian and non-Christian. From a historical-critical approach students will learn about Judaism and Islam in the first semester and Hinduism, Buddhism, and select Protestant denominations in the second semester. These traditions will be treated objectively, while at the same time comparatively noting the distinctiveness of the Catholic faith.

Grade 12

Apologetics and Life Ethics CP (Semester)

Course No: 990000723

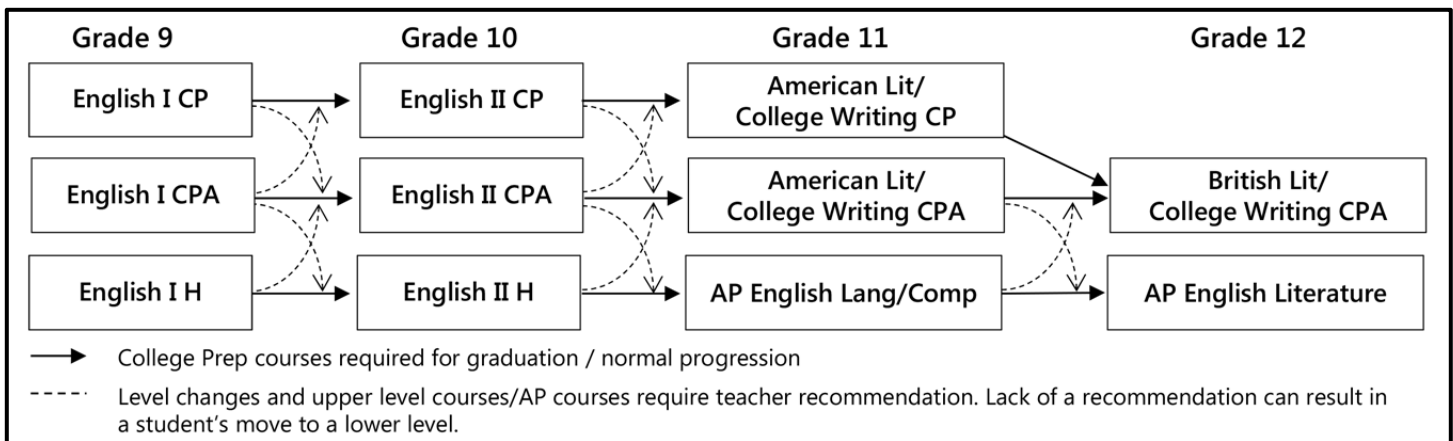
Apologetics is the theological endeavor to explain the reasonableness of Christian truths that lie at the foundation of our faith. Students explore how faith and reason work in concert to deepen our understanding of God's existence, how God is Triune, the Incarnation, Christian cosmology and the participation of the human person in that cosmology, the Church and its role in Christian life, as well as how Catholics understand the relationship of faith and science and our relationship to other religions. The Life Ethics unit then explores the ethical frameworks used by Catholics to engage contemporary issues, focusing particularly on beginning-of-life and end-of-life ethical decision making.

Catholic Social Teaching and Vocations CP (Semester)

Course No: 990000724

Building on the *Apologetics and Life Ethics* curriculum, *Catholic Social Teaching and Vocations* examines how best to live out Jesus' commands to love God and our neighbor as ourselves. Students explore topical social issues that go beyond an individual's immediate sphere of influence, including society's treatment of its most vulnerable members, institutional racism, criminal justice, healthcare, economic justice, immigration, the environment, and war. The course teaches students how to analyze, decide, and act on these issues, viewing them through the lens of Sacred Scripture, Catholic Tradition, and key documents authored by the Vatican and the USCCB. The Vocations component of the course seeks to assist students in discerning God's will and responding to God's unique call in their lives, whether as a single person, married, or in religious life.

ENGLISH



Grade 9

English I Literature and Composition CPA

Course No: 230610715

English I Literature and Composition CP

Course No: 230610724

For the student who has strong language arts skills, this course develops reading ability and introduces literary terms describing elements of the short story, novel, poetry, and drama. Writing instruction emphasizes sentence maturity, paragraph development, and essay introduction. To enhance reading comprehension, vocabulary is studied. Grammar study includes recognition of parts of speech and analysis of sentence structure.

English I Literature and Composition H

Course No: 230610734

This course is designed for the student who demonstrates a high degree of language arts skill. Literature study emphasizes the genres: poetry, short stories, novels, plays, epic poetry, and an in-depth study of Greek mythology. Students will learn to read critically and analytically while appreciating language. Writing instruction emphasizes literary analysis, focusing on organization of an argument, style, and mechanics. Grammar study is thorough, and vocabulary study builds on etymology.

Grade 10

English II Literature and Composition CPA

Course No: 230620716

English II Literature and Composition CP

Course No: 230620725

This course provides wide reading in world literature, organized around both literary genres and universal themes. Outside novels, plays, and poetry are read throughout the year with an emphasis on critical thinking skills. Writing includes narrative, descriptive, expository, and persuasive paragraphs and essays in MLA format; skills in literary analysis and research are developed. A short research paper using MLA guidelines is required. Grammar and vocabulary are studied.

English II Literature and Composition H

Course No: 230620735

This course is designed for the student who demonstrates a high degree of language arts skill. It emphasizes the critical analysis of a variety of literary selections in preparation for the AP English classes in the junior and senior years. This class provides wide reading in world literature, organized around essential questions, themes, and literary genres. Writing includes narrative, descriptive, expository, and persuasive essays; creative, critical, and research skills are developed. A short research paper using MLA guidelines is required. Grammar and vocabulary are studied.

Grade 11

American Literature/College Writing CPA

Course No: 230510717

American Literature/College Writing CP

Course No: 230510726

This course is a survey of the themes of many writers of American literature drawn from varied traditions. Students write expository and argumentative essays on literary and general topics; creative writing is included. Critical thinking, research, and writing skills continue to be developed. A review of grammar and a study of vocabulary are part of the curriculum.

AP English Language and Composition

Department approval required

Course No: 230430746

Students in this college-level course will have previously demonstrated strong writing and analytical skills. Students explore the standard American literature curriculum with an emphasis on how language works and the rhetorical choices writers make. Major American authors, outside novels, plays, and non-fiction prose are analyzed in depth with extensive expository and persuasive writing on literary topics. Creative writing is also included, as are vocabulary study and a review of grammar and usage as necessary. Students are required to take the AP English Language exam in May.

Grade 12

British Literature/College Writing CPA

Course No: 230520719

This course combines major works of English literature with a development of more mature writing skills. Writing includes techniques of exposition, argumentation, and literary criticism with attention to mechanics and usage. Students practice writing personal essays; the goal is to develop clear expression and logical organization. Students read and analyze plays and outside novels; vocabulary study is also part of the curriculum.

AP English Literature and Composition

Department approval required

Course No: 230650748

This course is designed for the student who has acquired skill in analyzing literature and writing well and who wishes to attempt to receive college credit through the AP exam. The course includes a study of major British writers, outside novels and plays, critical writing, research, and creative writing. Students are required to take the AP exam in May.

Electives

Journalism CP (*Semester*)

Course No: 230320701

Grade Level: 9, 10, 11, 12

Students investigate the history of journalism in the United States. Throughout the course, we cover topics including the First Amendment, media law, photojournalism, daily news coverage, media bias, and the basic principles of interviewing, reporting, and writing different types of news articles. This course is a pre-requisite for the school newspaper, yearbook, and literary-art magazine staffs.

Journalism/Newspaper CP

Course No: 230320708

Grade Level: 10, 11, 12

May Repeat for Credit

The newspaper class is responsible for the complete production of six or more issues of the student newspaper, *Golden Lines*, each school year. Students improve their basic journalism skills of reporting, writing, editing, design, and production learned in Journalism through the practical experience of producing the student newspaper. Students are responsible for all aspects of financing, managing, and producing the newspaper. Staff members are appointed to positions by the newspaper adviser and the editorial board. Students are expected to spend some time outside of class to produce the newspaper.

Journalism/Magazine CP (Semester)

Course No: 230320702

Grade Level: 10, 11, 12

May Repeat for Credit

This journalism course teaches hands-on production in the design and publication of the school literary-art magazine, *Carpe Diem*. Through the practical experience of producing the magazine, students learn and develop the basic magazine journalism skills of soliciting and evaluating students' literary and artistic work, planning, marketing, financing, and publication design.

Journalism/Yearbook CP

Course No: 230320709

Grade Level: 10, 11, 12

May Repeat for Credit

This journalism course teaches hands-on production in the design and publishing of the school yearbook, *Golden Echoes*. Through the practical experience of producing the yearbook, students learn and develop the basic journalism skills of reporting, writing, editing, layout design, photography, and the business skills of organization, planning, marketing, finance, and distribution. Students are expected to spend some time outside of class to complete their assignments.

Power of Speech CP (Semester)

Course No: 230420701

Grade Level: 9, 10, 11, 12

NOTE: Students who have taken Oral Communications may not register for this course.

The focus of this course is on developing public speaking skills through critical thinking, writing, and oral interpretation. Organizational skills are paramount through individual and group ideas, researching varying viewpoints, and recognizing material for a variety of audiences. Self-evaluation and critique are an integral part of the class.

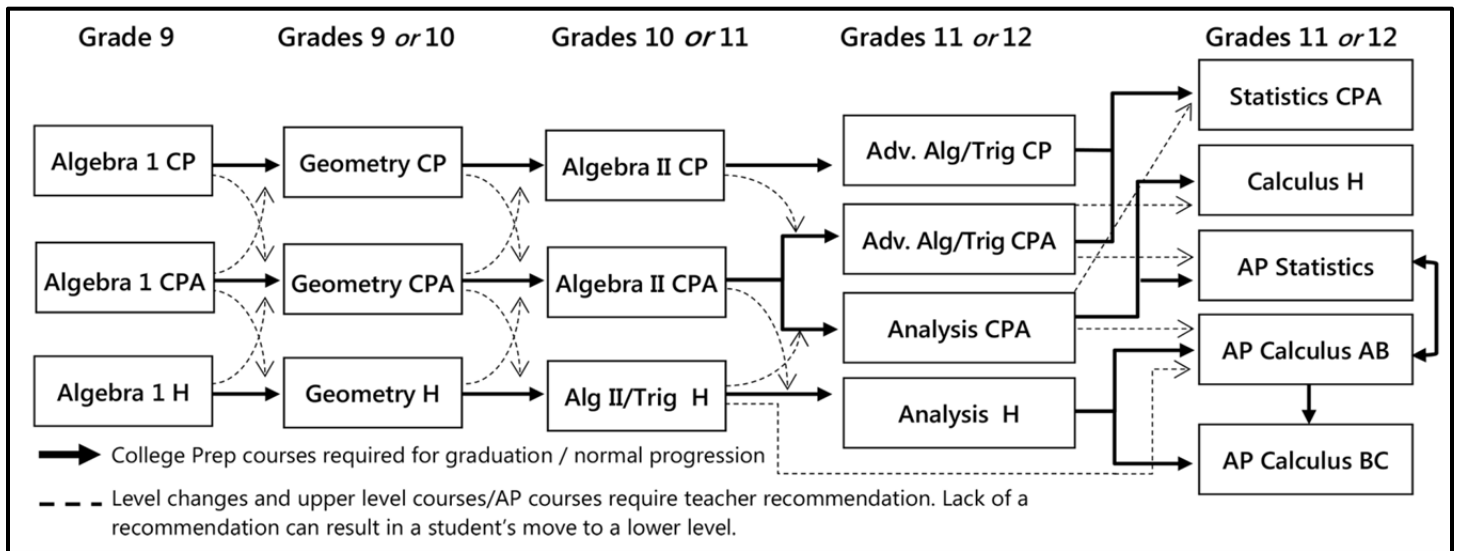
Film as Literature (Semester)

Course No: 230510719

Grade Level: 12

Film as Literature is a senior level course that studies classic and contemporary films for their narrative, dramatic, and cinematic value. This course focuses on the art of cinema and the magic of visual storytelling. Students are encouraged to read, analyze, and write critically about great films and significant works of literature that have been translated into film. By reflecting on movies as texts, students learn that visual media can provide us with just as much depth and insight as the printed word.

MATHEMATICS



Algebra I (Grade 9)

Algebra I CPA Course No: 270610714

Algebra I CP Course No: 270610721

Algebra I H Course No: 270610731

In Algebra I students learn to add, subtract, multiply, and divide polynomials and radical expressions. The students apply these skills to solve linear equations, systems of linear equations, and quadratic equations. Additional topics include graphing in the coordinate plane and solving word problems.

Geometry (Grade 9, 10)

PRE-REQUISITE: Algebra I

Geometry CPA

Course No: 270630718

Problems and proofs are used in the study of congruent triangles, similar figures, parallel lines, circles, area, volume, the coordinate plane, and polygons. Goals of the course include improvement in logical thinking skills and a deeper appreciation of mathematical structure.

Geometry CP

Course No: 270630722

Problems are used in the study of congruent triangles, similar figures, parallel lines, circles, area, volume, the coordinate plane, and polygons. Goals of the course include improvement in logical thinking skills and a deeper appreciation of mathematical structure.

Geometry H

Department Approval Required

Course No: 270630732

Honors Geometry is a course for students who have a deeper sense of logical development. The course uses deductive proofs and problems to study the coordinate plane, congruent triangles, similar figures, parallel lines, circles, area, volume, and polygons.

Algebra II (Grade 10, 11)

PRE-REQUISITE: Algebra I, Geometry

Algebra II CPA Course No: 270640715

Algebra II CP Course No: 270640725

Radicals, linear and quadratic equations, rational expressions, systems of equations, matrices, complex numbers, logarithmic and exponential functions, sequences and series, probability and word problems of different types are studied.

Algebra II/Trigonometry H

Course No: 270650733

Radicals, linear and quadratic equations, the coordinate plane, right triangle trigonometry, systems of equations, complex numbers, functions, and many word problems of different types are presented. In addition, word problems of a more difficult nature are studied. Other topics covered include conic sections, logarithms, and trigonometry.

Advanced Algebra/Trigonometry (Grade 11, 12)

PRE-REQUISITE: Algebra II

Advanced Algebra/Trigonometry CPA

Course No: 270650716

This course consists of further work on the topics of radicals, logarithms, linear and quadratic equations and complex numbers. Other topics covered are trigonometry and preparation for the SAT.

Advanced Algebra/Trigonometry CP

Course No: 270650726

This course consists of a review of radicals, logarithms, linear and quadratic equations, and complex numbers. Other topics include trigonometry and preparation for the SAT.

Calculus (Grade 11, 12)

PRE-REQUISITE: See individual course listing

Calculus H

Department Approval Required

Course No: 270710736

PRE-REQUISITE: Analysis CPA or Analysis H

Calculus is the advanced study of functions, limits, differentiation and integration with application in maxima and minima problems, area and volume, differential equations and numerical methods of equation solving.

AP Calculus AB

Department Approval Required

Course No: 270720746

PRE-REQUISITE: Analysis CPA or Analysis H

AP Calculus AB is an advanced study of functions, limits, differentiation and integration with application in maxima and minima problems, area and volume, differential equations, and numerical methods of equation solving. All students are required to take the AP exam.

AP Calculus BC

Department Approval Required

Course No: 270730747

PRE-REQUISITE: Analysis H

AP Calculus BC covers all the topics of AP Calculus AB as well as vector-valued functions, polar coordinates, and sequences and series. All students are required to take the AP exam.

Analysis (Grade 11, 12)

PRE-REQUISITE: See individual course listing

Analysis (Pre-Calculus) CPA

Department Approval Required

Course No: 270670717

PRE-REQUISITE: Algebra II

Students in Analysis (Pre-Calculus) continue to study the higher-level math skills needed for Calculus in college. These include the study of polynomial functions, logarithmic and exponential functions, conic sections, trigonometry, matrices, sequences and series, probability and vectors.

Analysis (Pre-Calculus) H

Department Approval Required

Course No: 270670735

PRE-REQUISITE: Algebra II or Algebra II/Trig H

Honors Analysis (Pre-Calculus) is designed to study the higher-level math skills needed for Calculus. These include the study of polynomial functions, logarithmic and exponential functions, conic sections, trigonometry, matrices, sequences and series, probability, vectors, parametric equations and polar coordinates.

Statistics (Grade 11, 12)

PRE-REQUISITE: See individual course listing

Statistics CPA

Course No: 270510712

PRE-REQUISITE: Advanced Algebra or Analysis

Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include mean, standard deviation, z-scores, correlation, regression, hypothesis testing, t-tests, analysis of variance, and construction of confidence intervals. Heavy emphasis is placed on the use of calculators and computers.

AP Statistics

Department Approval Required

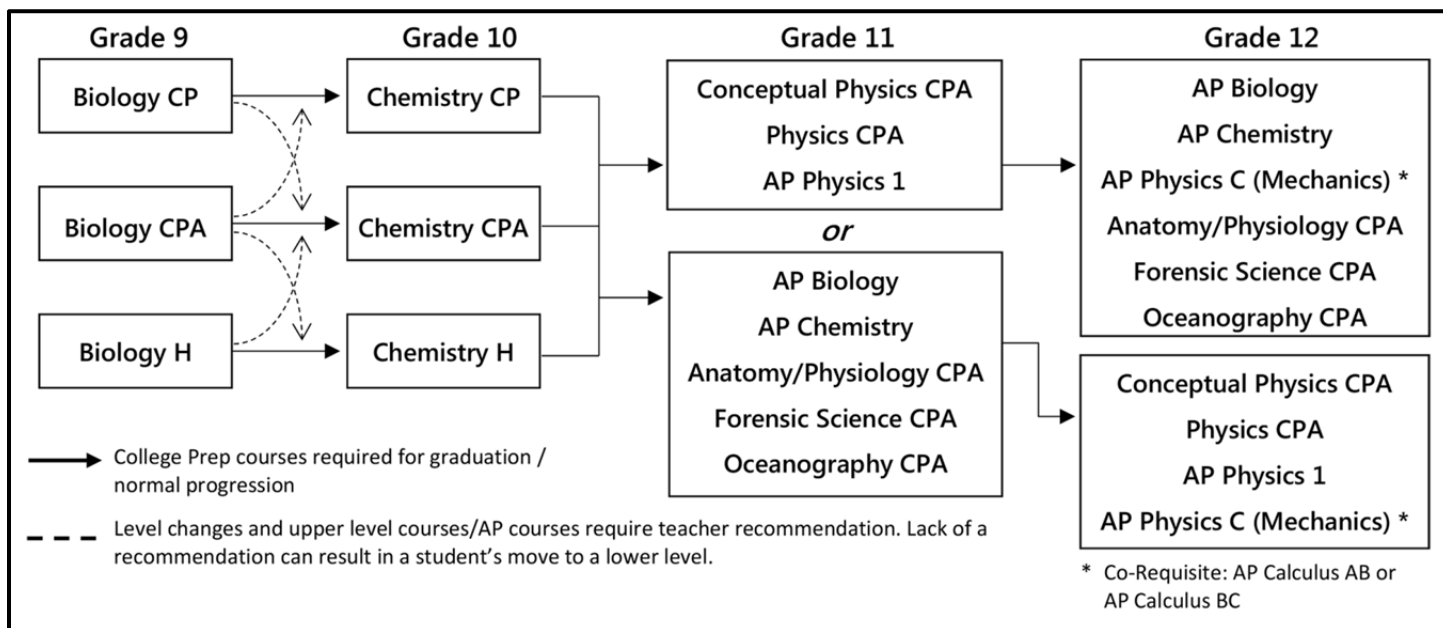
Course No: 270740740

PRE-REQUISITE: Advanced Algebra/Trig CPA or Analysis

NOTE: Can be taken as an elective concurrent with Analysis Honors

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include mean, standard deviation, z-scores, correlation, regression, hypothesis testing, t-tests, analysis of variance, and construction of confidence intervals. Heavy emphasis is placed on the use of calculators. All students are required to take the AP exam.

SCIENCE



Biology (Grade 9)

Biology CPA

Course No: 260130714

An introductory biology course in which students examine aspects of human activity, evolutionary history, structure, function, behavior relationships to the environment and the molecular structure on which life is based. The focus of the course is designed to foster scientific thinking skills, reasoned approaches to problem solving, and an appreciation of the role science plays in developing a deeper understanding of life. Students keep a biology notebook, write lab reports based on laboratory experiences, and work independently. In addition, students use various technologies to search the Internet on biological topics to enhance classroom and laboratory experiments.

Biology CP

Course No: 260130722

An introductory biology course in which students examine aspects of human activity, evolutionary history, structure, function, behavior relationships to the environment and the molecular structure on which life is based. The focus of the course is designed to foster scientific thinking skills, reasoned approaches to problem solving, and an appreciation of the role science plays in developing a deeper understanding of the natural world. Students keep a biology notebook, write lab reports based on laboratory experiences, and work independently. In addition, students use various technologies to search the Internet on biological topics to enhance classroom and laboratory experiments.

Biology H

Department Approval Required

Course No: 260130733

Honors Biology is an introductory biology course that moves at an advanced pace. The course of instruction will progress from a foundation of molecular and cellular biology concepts in the fall semester and transition into organismal and ecological biology in the spring semester. Students will be engaged in the scientific method of systematic problem solving throughout the course with a focus on lab skills development, research and technology applications, data collection and analysis, and scientific writing.

Chemistry (Grade 10)

Chemistry CPA

Course No: 400510715

This traditional course in chemistry uses laboratory activities to reinforce a study of atomic theory, periodicity, bonding, chemical reactions, and the primary states of matter. Students use mathematical skills to analyze quantitative data and to solve problems in chemistry. Emphasis is placed on developing problem solving skills, a disciplined approach to study, and skills in writing reports. Students use classroom computers to write laboratory reports.

Chemistry CP

Course No: 400510725

This traditional course in chemistry uses laboratory activities to reinforce a study of atomic theory, nomenclature, bonding, chemical reactions, stoichiometry, thermodynamics and the primary states of matter. Students use mathematical skills to analyze quantitative data and to solve problems in chemistry. Emphasis is placed on developing problem solving skills, a disciplined approach to study, and skills in writing reports. Students use classroom computers to write laboratory reports.

Chemistry H

Department Approval Required

Course No: 400510733

In Honors Chemistry students will learn and apply chemistry principles, concepts, and operations. Students must think logically and abstractly, and use math reasoning to analyze, synthesize, and evaluate laboratory activities. The basic tools of chemistry — mathematics, equations, and the mole concept — are introduced early and used frequently. Students must be proficient in algebra and in analytical problem solving. Computer usage is integrated into this course through writing lab reports. Working independently, students will learn through reading the text, experimentation, observation, and problem solving.

Physics (Grade 11, 12)

PRE-REQUISITE: See individual course description

Both Conceptual Physics CPA and Physics CPA are introductory college preparatory courses in physics. Emphasis is placed on learning and understanding the principles and concepts of physics as well as the solution of problems. Students apply these concepts in laboratory activities, which include the use of computers in analyzing the collected data. Students are required to write detailed lab reports on these activities. Students are also required to use the concepts learned to complete a physics project each semester. In problem solving, students use their skills in algebra or trigonometry, vector analysis, and graphing.

Conceptual Physics CPA

Course No: 400810716

PRE-REQUISITE: Geometry

CO-REQUISITE: Algebra II

The focus of Conceptual Physics is on understanding the *why* and *how* behind the concepts of physics while utilizing only minimal mathematical solutions.

Physics CPA

Course No: 400810717

PRE-REQUISITE: Algebra II/Trig

The focus of Physics CPA is on the mathematical solutions of physics problems while including the basic conceptual ideas.

AP Physics 1

Department Approval Required

Course No: 400831747

CO-REQUISITE: Advanced Algebra/Trig or higher math

The AP Physics 1 course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students apply these concepts in laboratory activities, which include the use of computers in analyzing the collected data and inquiry based activities where students will develop procedures. In problem solving, students use their skills in algebra or trigonometry, vector analysis, and graphing. Students should anticipate an average of one hour of homework per night and they are required to take the Advanced Placement Physics 1 examination in May.

AP Physics C: Mechanics

Department Approval Required

Course No: 400841745

CO-REQUISITE: AP Calculus AB or AP Calculus BC

The AP Physics C course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The subject matter of the AP Physics C course is *mechanics*. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Students will be expected to design experiments, observe and measure real phenomena, organize, display, and critically analyze data, determine uncertainties in measurement, draw inferences from observations and data, and communicate results, including suggested ways to improve experiments and proposed questions for further study. Students should anticipate an average of one hour of homework per night, and they are required to take the Advanced Placement Physics C examination in May.

Electives (Grade 11, 12)

PRE-REQUISITE: See individual course description

AP science classes not used for requirement fulfillment may be used as an elective.

AP Computer Science A and AP Computer Science Principles may be used to fulfill the science elective. However, these courses may require permission of the Business/Computer Science Department chairperson.

AP Biology

Department Approval Required

Course No: 260140741

PRE-REQUISITE: Biology and Chemistry

This course provides a conceptual framework for modern biology and perpetuates an appreciation of biological science as a process. Themes of energy transfer, structure and function, regulation and interdependence are emphasized through reading and laboratory work. Students are expected to be able to read and study a college text independently. Keeping up with independent reading and study should take at least one hour a night. The course is scheduled for 1½ periods each day to provide time for course and laboratory work. Students are required to take the Advanced Placement examination in May.

AP Chemistry

Department Approval Required

Course No: 400530743

PRE-REQUISITE: Chemistry, Algebra II

Students who have already completed an introductory chemistry course learn and apply the basic principles, concepts, and operations of college chemistry. Topics include atomic theory, bonding, periodicity, acid-base chemistry, oxidation-reduction, equilibrium, and thermodynamics. Students use computers to collect data, maintain a lab notebook, and use graphing calculators to solve problems. The course meets for 1½ periods each day with class preparation time of at least one hour a night. Students are required to take the Advanced Placement examination in May.

Forensic Science CPA

Course No: 400930711

This is a very lab-intensive course that will focus on the role of chemical reactions and techniques used in analyzing different types of forensic evidence. This course requires strong organizational, problem solving, and writing skills. Emphasis will be placed on experimentation, theorization, synthesizing information, forming evidence-based conclusions, and research of forensic methodologies. Students will learn the protocols for analyzing crime scenes by maintaining a working lab notebook, writing reports based on their results, conclusion and analyses of case studies and investigations. Students will use critical thinking to explore scientific principles through forensic investigation of simulated crime scenes.

Human Anatomy and Physiology CPA

Course No: 260730713

This is an introductory course in human anatomy and physiology, which presents a comprehensive study of the human body and lays a solid foundation for the pursuit of careers in the health industry. This course introduces students to anatomical language, a brief historical overview of anatomy and physiology as a discipline, a general overview of the structure and functions of the major organ systems and aspects of clinical implications relating to dysfunctions of the

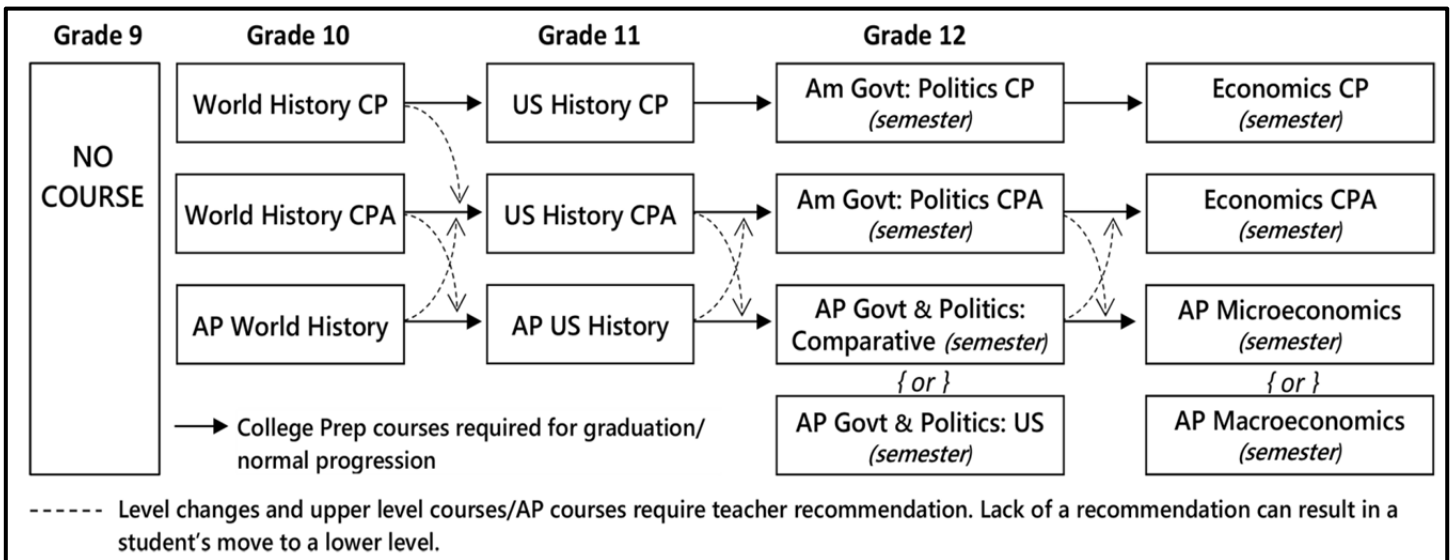
human body. Practical assignments are an important aspect of this course. Working in small groups, students use dissection and multimedia software to study the organ systems of a vertebrate, as well as the anatomical features of cells, tissues, bones, muscles, and the brain. Simple experiments on the physiology of cells also aid the understanding of this topic. A research paper and presentation is part of the second semester activities. Students also continue to develop scientific skills and techniques including note taking, collecting and analyzing data, and writing lab reports and essays. Computer skills are utilized in the areas of research, composition of papers, and review of concepts.

Oceanography-Marine Ecology CPA

Course No: 400710714

Oceanography-Marine Ecology is designed to provide a stimulating, up-to-date survey of our oceans while integrating the basic science background required for an introductory course. The approach demonstrates the relevance of physical science to marine biology and thus integrates the two branches of science. This course provides a global, non-regional view of the world's oceans that is integrated throughout the material. Using research tools, students will report on the most current oceanographic topics, marine ecology, the influence of human intervention on the marine environment, and the effect on communities and the nonliving elements of the ecosystem. Content and skill are evaluated on the basis of written tests, quizzes, homework assignments, and laboratory reports. In addition, students will have long term projects on many key topics in oceanography and marine ecology. In the field, they are evaluated on their observation and data gathering.

SOCIAL STUDIES



World History (Grade 10)

World History CPA Course No: 450830711

World History CP Course No: 450830724

This course is a survey course of people and nations of both western and non-western civilizations. Emphasis will be placed on tracing the political, social, cultural, and economic heritage of civilizations from approximately 1000 C.E. (Common Era) to the present. Writing and research assignments throughout the year will focus on skills central to historical writing: evidence-based arguments, expository writing structure, research skills, and Chicago-Turabian formatting.

AP World History

Department Approval Required

Course No: 450811740

PRE-REQUISITE: English I H

The content of this course will emphasize a more global, non-western approach to World History by tracing the development of civilizations and the interactions among people in those civilizations from the Neolithic Period to the present. Considerable time will be devoted to helping students develop their analytical and writing skills through the evaluation of primary and secondary sources. All course requirements are intended to prepare the student to take the Advanced Placement World History exam for possible college credit. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP examination in May.

United States History (Grade 11)

United States History CPA

Course No: 450810712

United States History CP

Course No: 450810725

This course is a survey of the most significant periods in U.S. History from the Period of Colonization to the present. The intent of this course is to increase knowledge, awareness, and appreciation of America's domestic and foreign affairs as well as develop historical thinking and writing skills. A major research paper in Chicago format is required.

AP United States History

Department Approval Required

Course No: 450820741

PRE-REQUISITE: World History AP or CPA

Note: Students may not take AP US History and AP Psychology concurrently.

This course is a survey of the most significant periods in U.S. History from the Age of Discovery to the present. The student who enrolls in this course should have a strong background in research and writing skills as this course will make extensive use of primary and secondary sources and will require numerous essay assignments. The students participate in simulations and debate throughout the year and write a research paper. All course requirements are intended to prepare the student to take the Advanced Placement U.S. History exam for college credit. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

Government (Grade 12)

American Government: The Political Process CPA (*Semester*)

Course No: 450570713

NOTE: May be taken in Grade 11 with department approval

American Government: The Political Process CP (*Semester*)

Course No: 450570726

This course is designed as a basis of study about how the American political system works. There is an extensive examination of the Constitution as well as of the legislative, executive, and judicial branches of government. Citizenship rights and responsibilities are emphasized, and the policy-making process is explored in depth. The students examine how a government is the resolution of conflicts in a way that enhances a nation's values and purposes.

AP Government and Politics: Comparative (*Semester*)

Department Approval Required

Course No: 450530742

PRE-REQUISITE: US History AP or CPA

This course provides an advanced and detailed treatment of the government and politics of six major countries of the world: Britain, Russia, China, Mexico, Nigeria, and Iran. These are commonly covered in college-level introductory comparative politics courses and required for the AP Comparative Politics exam. Emphasis will be placed on the intellectual underpinnings of different political systems including influences on the structure and policy-making process of each country. Additional examination of other countries is also included to provide an understanding of the political implications of different levels of economic development. The course employs an advanced textbook and additional supplemental reading as necessary and is additionally designed to provide the tools necessary for success on the AP examination. Students should anticipate an average of 1 hour of homework per night and are required to take the AP exam in May.

AP American Government and Politics: US (Semester)

Department Approval Required

Course No: 45052074

PRE-REQUISITE: US History AP or CPA

This course is designed to provide an advanced and detailed treatment of government and politics. Emphasis will be placed on the intellectual underpinnings of democracy, the development of our constitution, the institutions of government, influences on the policy-making process, civil rights, and civil liberties. An examination of the national branches of government is also provided. The course employs an advanced textbook and additional supplemental readings as necessary. The course is additionally designed to provide the tools necessary for success on the AP examination. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

Economics (Grade 12)

Economics CPA (Semester)

Course No: 450610714

NOTE: May be taken in Grade 11 with department approval

Economics CP (Semester)

Course No: 450610727

This course meets the State of Georgia graduation requirement and examines elements from both microeconomic and macroeconomic perspectives, after introducing many of the fundamental conceptual aspects of the discipline. It also integrates elements of the consumer-oriented world, especially ideas like securities exchanges, interest rates, and personal finance. The course concludes with an examination of the causes and effects of globalization and the consequences of international trade.

AP Microeconomics (Semester)

Course No: 450630744

Department Approval Required

This course is designed for the student interested in obtaining college credit in Microeconomics. The basic concepts of supply, demand, and elasticity as well as specific micro concepts such as markets, business organization, pricing theory, and marginal analysis are emphasized. The students will experience a variety of activities and use technology to enhance their studies. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

AP Macroeconomics (Semester)

Course No: 450620745

PRE-REQUISITE: US History AP or CPA

Department Approval Required

This course is designed for the student interested in obtaining college credit in Macroeconomics. The basic concepts of supply, demand, and elasticity as well as specific macro concepts such as trade, fiscal policy, monetary policy, and supply side theory will be covered. Students should anticipate an average of 1 hour of homework per night and they are required to take the AP exam in May.

Electives

AP Human Geography

Department Approval Required

Course No: 450770748

Grade Level: 10

PRE-REQUISITE: English I CPA

This course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their science and practice. The course requires that students use critical analysis to evaluate a variety of material including verbal descriptions, maps, graphs, photographs, and diagrams. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation. All students are required to take the Advanced Placement Examination in May.

AP Modern European History

Department Approval Required

Course No: 450840746

Grade Level: 11, 12

PRE-REQUISITE Grade 11: AP World History or AP Human Geography

PRE-REQUISITE Grade 12: US History AP or CPA

AP European History is a survey course covering the development of Europe from the High Renaissance (approximately 1450) to the present. The first semester begins with the Later Middle Ages and ends with the Congress of Vienna (1815). Second semester starts with an overview of the Congress of Vienna (1815) and continues to the present. During both semesters, this course will place emphasis on helping students develop an understanding of the intellectual, cultural, political, diplomatic, social, and economic developments that have existed and continue to exist in modern European history. While students must learn to comprehend, memorize, and apply basic historical facts, students enrolled in this course are also required to analyze, synthesize, evaluate, and interpret primary and secondary historical sources. Students should anticipate an average of one hour of homework per night and are required to take the AP exam in May.

AP Psychology

Department Approval Required

Course No: 450160747

Grade Level: 11, 12

PRE-REQUISITE Grade 11: World History AP or CPA

PRE-REQUISITE Grade 12: US History AP or CPA

Note: Students may not take AP Psychology and AP US History concurrently.

This course is designed for the student interested in obtaining college credit by taking the Advanced Placement examination in Psychology. The course consists of a systematic and scientific approach to the study of behavioral processes. After a brief overview of the scientific method and statistical approach to studying psychology and a look at the historical development of psychology, topics to be examined are the biological base of behavior as it relates to perception, sensation, memory language and thinking, states of consciousness, and motivation and emotion. Other topics to be included are learning, personality, intelligence, development, stress, psychological disorders, and treatment. The course uses a college text and numerous outside articles. All writing and research assignments will incorporate APA style. Students should anticipate an average of one hour of homework per night and are required to take the AP exam in May.

Current Issues and Political Speech CP (Semester)

Course No: 450120719

Grade Level: 9, 10, 11, 12

This course analyzes current social and political issues and events and invites students to critically evaluate those issues. Rather than traditional written evaluation, students are taught various speaking styles such as extemporaneous speaking, oration, and debate. Students are required to convey understanding and analysis of those issues using oral delivery skills.

Genocide and the Holocaust CP (Semester)

Department Approval Required

Course No: 450000718

Grade Level: 12

This course seeks to examine the history of genocide and racial purity of the 20th Century as it relates to human behavior. Emphasis will be placed on the events leading up to the rise of Hitler and the plight of European Jewry from 1933-1945. The course also assesses the Church's response and treatment of the events of the Holocaust.

Principles of Servant and Vocational Leadership CP (Semester)

Course No: 450000716

Grade Level: 11, 12

This course seeks to provide junior and senior students at St. Pius X an overview of the principles of leadership. Students will study servant leadership and vocational, Catholic leadership and apply these principles to their school and community. The class will provide a discussion format in which real-life leadership experiences will be explored. In addition to discussion and student centered learning, key business leaders in the community will serve as guest speakers in addition to St. Pius's President, Principal, and Campus Ministry's leadership. In culmination, students will attend a leadership team building field trip as well as create an applicable student driven leadership project to finish the semester.

Sociology CP (Semester)

Course No: 450310716

Grade Level: 11, 12

This course is designed for the student who would like to gain an understanding of human society through the study of social systems, their structures, and their processes. There is an emphasis on social groups and social interaction as well as a look at social problems and alternative solutions. Writing and research assignments will incorporate APA style.

WORLD LANGUAGES

Heritage Learners and Bilingual Students

Students whose native language is not English, those who are bilingual to some degree in a language other than English, and heritage learners must take a placement test in their second language to ensure placement in the appropriate World Language course. Placement will be based on both fluency and literacy.

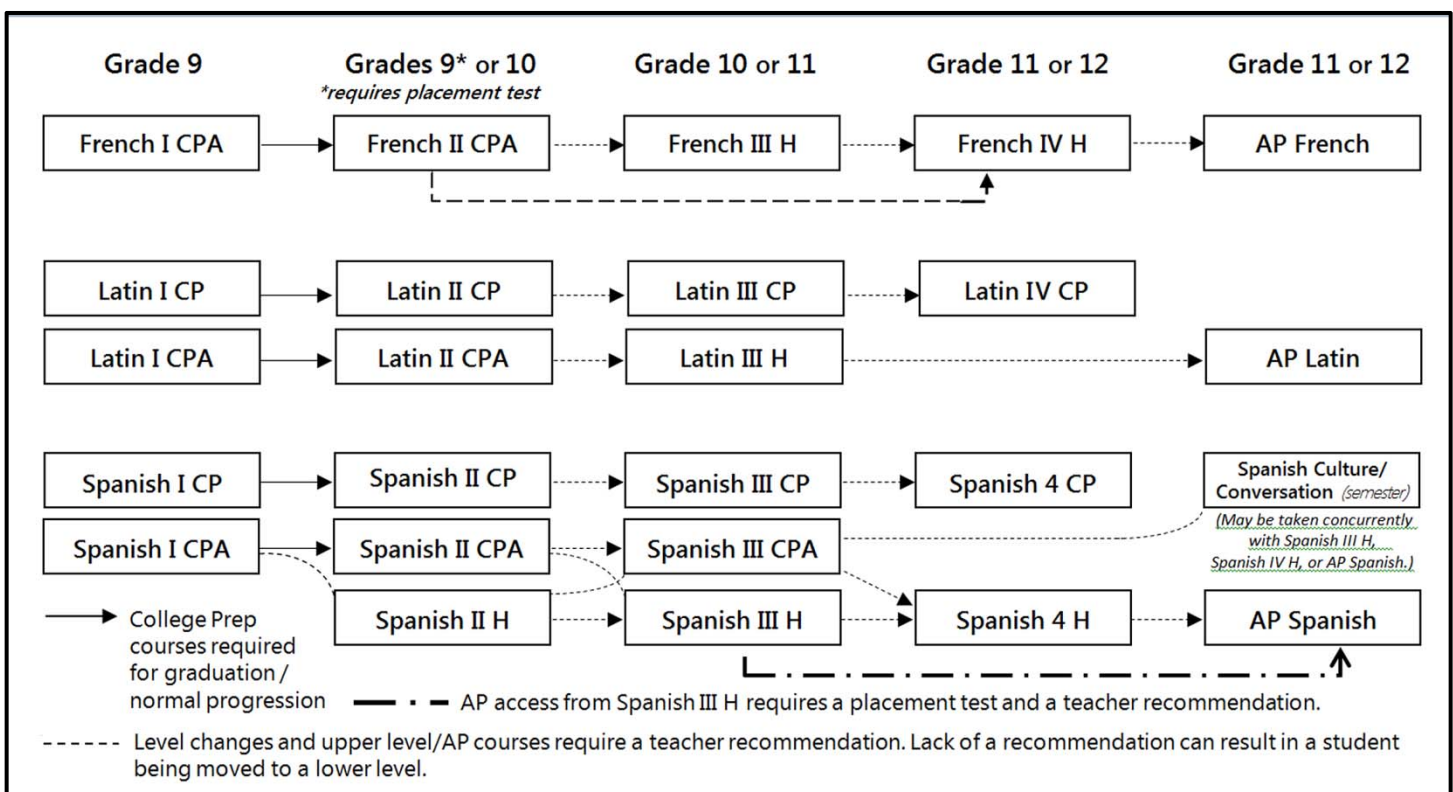
Students who are both bilingual and biliterate (can both read and write in Spanish or French) may be referred to another language to meet the World Languages requirement for graduation in the state of Georgia. Placement of biliterate students will be left to the discretion of the department and will be based on the results of the placement test.

Heritage learners, bilingual students, and biliterate students who do not wish to take a class in their second language may take a course in another language without a placement test.

Teacher Recommendations for Honors, AP, and Other Upper Level Courses (Level 3 and Above)

Teacher recommendations and discussions with the department will determine the final placement in all courses, including honors, AP, and other upper-level courses. Teacher recommendations are based on demonstrated interest in learning, a strong work ethic, a grade of A or B+ in the previous course, and intermediate to advanced speaking skills in the target language.

Lack of a recommendation can result in a student moving down a level and/or not being allowed to continue in the language. The department will review all placements during the spring semester to determine whether students have continued to demonstrate the ability, skills, work habits, and motivation that justified the original placement. Appropriate adjustments will be made at that time.



Spanish

Spanish I CPA

Course No: 600710717

Grade Level: 9, 10, 11, 12

Spanish I CP

Course No: 600710724

Spanish I offers students an introduction to Spanish vocabulary, grammar, syntax, and culture. Real-life situations presented in authentic Spanish help the student acquire beginning to intermediate levels of communicative proficiency in various contexts as well as cultural awareness and appreciation. Technology is integrated, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course implements a communicative language approach and is taught mostly in Spanish.

Spanish II CPA

Course No: 600720718

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Spanish I or Placement Test

Spanish II CP

Course No: 600720725

Spanish II continues a more thorough study of Spanish vocabulary, grammar, syntax, and culture. Real-life situations presented in authentic Spanish help the students acquire intermediate communicative proficiency in various contexts. Technology is integrated, and audio and print materials serve to build and reinforce intermediate listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

Spanish II H

Course No: 600720735

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Spanish I or Placement Test

The multi-media approach continues in Spanish II to study language and culture on a more advanced level and at an accelerated pace. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. Emphasis is placed on communicative proficiency (speaking and writing) as well as interpretive proficiency (listening and reading); students engage in regular group discussions in Spanish. Technology is integrated, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

Spanish III CPA

Course No: 600730719

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Spanish II or Placement Test

Spanish III CP

Course No: 600730726

Spanish III aims to build intermediate to high communicative proficiency in reading, writing, listening, and speaking skills by offering a review of Spanish grammar and syntax. An emphasis is placed on the application of grammar to various thematic units. Short informal and literary texts are introduced to teach both grammar and culture. Technology is integrated, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in Spanish.

Spanish III H

Course No: 600730738

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Spanish II or Placement Test

The multi-media approach is implemented again in Spanish III H to build intermediate to high communicative proficiency in reading, writing, listening, and speaking skills by offering a thorough review of Spanish grammar and syntax at a more advanced level. An emphasis is placed on the application of grammar to various thematic units. Short informal and literary texts are introduced to teach both grammar and culture. Students must exhibit enthusiasm for the study of Spanish and a desire to communicate in Spanish at all times during class. Students engage in regular group discussions in Spanish. Technology is integrated, and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught entirely in Spanish.

Spanish IV CP

Course No: 600740727

Grade Level: 10, 11, 12

PRE-REQUISITE: Spanish III or Placement Test

Using a communicative language approach, this course is designed to develop advanced communicative skills and language literacy. Students must exhibit enthusiasm for the study of Spanish and culture and a desire to communicate in Spanish at all times during class. The course will incorporate a review of the grammar taught in Spanish I, II, and III. Various materials are used to build communication in writing and speaking. This class is taught in Spanish.

Spanish IV H

Course No: 600740737

Grade Level: 10, 11, 12

PRE-REQUISITE: Spanish III or Placement Test

Using a communicative language approach, this course is designed to provide practice in advanced grammatical concepts, advanced communicative skills, and language literacy. Students must exhibit enthusiasm for the study of Spanish and culture and a desire to communicate in Spanish at all times during class. Students should also have a control the grammar taught in Spanish I, II, and III upon entrance into the course. Various materials are used to achieve an advanced level of written and oral proficiency. This course is taught in Spanish.

Spanish Conversation and Culture (S)

Course No: 600840721

Grade Level: 10 (*with placement test and teacher recommendation*), 11, 12

PRE-REQUISITE: Spanish III or Teacher Recommendation

NOTE: Native Spanish speakers who have taken other languages may take a placement test for admission to the course. This course may be taken concurrently with Spanish III H, Spanish IV H, or AP Spanish. Non-native speakers may repeat for credit.

Using a communicative approach, this course is designed to provide practice in advanced conversational skills as well as promote cultural awareness. As this course will rotate special topics to build cultural literacy, students must exhibit enthusiasm for the study of Spanish language and culture and a desire to communicate in Spanish at all times. Various materials (movies, literature, podcasts, etc.) will be used to achieve an advanced level of oral proficiency. Student progress will be assessed through a variety of hands-on activities, presentations, and a final project. This course is taught in Spanish.

AP Spanish Language and Culture

Department Approval Required

Course No: 600770740

Grade Level: 11, 12

PRE-REQUISITE: Spanish IV H or Placement Test

This course is designed for self-motivated students committed to serious study in Spanish. A prescribed course of study including advanced grammar topics, listening comprehension exercises, comprehension exercises, and written and spoken practice will prepare the student for the AP exam, which all students are required to take. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

French

French I CPA

Course No: 600110714

Grade Level: 9, 10, 11, 12

This introductory course in French language and culture is based on a multi-media approach. Real-life situations presented in authentic French help the student acquire developing of communicative proficiency in various contexts as well as cultural awareness and appreciation. Technology is fully implemented and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in French.

French II CPA

Course No: 600120715

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: French I or Placement Test

This multi-media course continues the study of French language and culture at an intermediate level. Students communicate in French during class. Emphasis is placed on communicative proficiency (listening, speaking, and writing) as well as interpretive proficiency (reading); students engage in regular group discussions in French as well as routine oral

interviews with the teacher. Technology is fully implemented and audio and print materials serve to build and reinforce listening comprehension, speaking, reading, and writing skills. The course is taught mostly in French.

French III H

Course No: 600130732

Grade Level: 10, 11, 12

PRE-REQUISITE: French II or Placement Test

This is a culture-based course using practical vocabulary to discuss daily activities. Audio and print materials serve to reinforce listening, reading comprehension, and to increase writing proficiency. Each unit presents new grammar concepts that the students master through use in the context of the new vocabulary. The course is taught in French, and the students communicate in that language.

French IV H

Course No: 600140733

Grade Level: 10, 11, 12

PRE-REQUISITE: French II or III or Placement Test

This course addresses the needs of advanced students of French. It is a comprehensive, multiple-approach course that provides an in-depth view of the French-speaking world, as well as its culture and civilization, by means of a systematic introduction to French history and literature. Grammar previously studied is reviewed and expanded upon with a view to strengthening the students' language skills. This course is a pre-requisite for students who wish to enroll in AP French.

AP French Language and Culture

Department Approval Required

Course No: 600170743

Grade Level: 12

PRE-REQUISITE: French IV H or Placement Test

This course is designed for self-motivated students committed to serious study in French. A prescribed course of study including advanced grammar topics, advanced listening comprehension exercises, advanced reading comprehension exercises, and advanced spoken practice will be presented in order to prepare the student for the AP exam, which all students are required to take. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

Latin

Latin I CPA

Course No: 610410712

Grade Level: 9, 10, 11, 12

Latin I CP

Course No: 610410711

Grade Level: 9, 10, 11

This course is an introduction to the Latin language and Roman culture. Students learn Latin using a reading comprehension approach and study the influences of the language and ancient Roman culture on later civilizations. Culture, vocabulary, derivatives, mythology, and other elements of the Roman world and Latin language are also covered throughout the year. Students also begin to develop writing skills in Latin and in English.

Latin II CPA

Course No: 610420717

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Latin I or Placement Test

Latin II CP

Course No: 610420716

Using a reading comprehension approach, students continue their studies of the Latin language and ancient Roman culture. Students build upon skills and knowledge from Latin I and continue their studies of vocabulary, derivatives, mythology, and other elements of the Roman world and Latin language throughout the year. Students also continue developing their writing skills in Latin and in English.

Latin III H

Department Approval Required

Course No: 610430733

Grade Level: 10, 11, 12

PRE-REQUISITE: Latin II CPA with a grade of 85 or above

Using a reading comprehension approach, students continue their studies of the Latin language and ancient Roman culture. Students then are introduced to more advanced Latin through the study of classical writers. This course is designed for students who are able to progress more rapidly. Students begin more in-depth study of Roman history and literature, reading ancient Roman authors and responding to readings in essays. This course serves as a transition to AP Latin and more extensive study of classical Latin literature.

Latin III CP

Department Approval Required

Course No: 610430717

Grade Level: 10, 11, 12

PRE-REQUISITE: Latin II CP with a grade of 85 or above

Using a reading comprehension approach, students continue their studies of the Latin language and ancient Roman culture. Students then are introduced to more advanced Latin through the study of classical writers. Students begin more in-depth study of Roman history and literature, reading ancient Roman authors and responding to readings in essays.

Latin IV CP

Department Approval Required

Course No: 610440718

Grade Level: 11, 12

PRE-REQUISITE: Latin III CP and Teacher Recommendation

This course serves as the capstone of the Latin CP program. Students continue their studies of the Latin language and ancient culture using a reading comprehension approach. Students also read modern works written in Latin as part of their study of Roman history and literature. Students continue to respond to readings in essays.

AP Latin

Department Approval Required

Course No: 610470742

Grade Levels: 11, 12

PRE-REQUISITE: Latin III H with a grade of 85 or above

This course is designed for self-motivated students committed to serious study in Latin, focusing on the authors Vergil and Caesar. A prescribed course of study including advanced grammar topics, advanced sight reading exercises, advanced reading comprehension exercises, free-response essay writing, and advanced translation will be presented in order to prepare the student for the AP exam, which all students are required to take. College credit may be awarded on the basis of the evaluation and the particular college or university policies.

BUSINESS AND COMPUTER SCIENCE

Freshman Requirement

Computer Applications CP (Semester)

Course No: 74411702

This course is designed to introduce and reinforce the concepts of word processing, spreadsheet design, publishing, video editing, and presentation software as well as networking. Instruction is given for the production of letters, research papers and online databases, tables, spreadsheets, websites, QR codes, apps, document templates, 3-D printing, and multimedia presentations utilizing the computer.

Electives (Business)

Business Law CP (Semester)

Course No: 64150702

Grade Level: 10, 11, 12

This course is designed to enable students to relate law to current cases and situations as well as to see the law's implications in their futures. The course is challenging and rewarding with topics including the nature and sources of law, criminal law, trial procedures, contracts, consumer law, employment, family law, and property law.

Principles of Accounting CP (Semester)

Course No: 74120701

Grade Level: 10, 11, 12

This course provides students with an opportunity to develop a sound understanding of the basic accounting principles and procedures, to handle daily records and financial activities of a small or medium-sized business, and to use accounting records to make decisions. Technology is used in many of the accounting application problems.

Principles of Marketing (Semester)

Course No: 847400701

Grade Level: 10, 11, 12

This course is designed to provide an understanding of the basic principles, theories, problems, and practices involved in marketing in our changing economic environment. Emphasis is placed on the marketing functions including the distribution of goods and services from the producer to the ultimate consumer. Market research and information technology tools will be explored. Students will collaborate with students in other Business and Computer Science classes in an effort to successfully market a service or good.

Electives (Computer Science)

PRE-REQUISITE: Computer Applications. See individual course descriptions for any additional requirements.

AP Computer Science A

Department Approval Required

Course No: 110160741

Grade Level: 10, 11, 12

PRE-REQUISITE: Computer Programming I or AP Computer Science Principles

NOTE: This course can be used to satisfy the Science Elective graduation requirement.

AP Computer Science is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines that require significant involvement with computing. Students will study computer systems, primitive data types, standard computer algorithms, and data structures in an object-oriented environment using the Java programming language. This advanced course follows the curriculum set up by the College Board for the AP Computer Science course. Although students will be using the Java programming language, programming skills are the focus of this course. All students are required to take the AP Computer Science exam in the spring.

AP Computer Science Principles

Course No: 110190742

Grade Level: 9, 10, 11, 12

Department Approval Required

NOTE: This course can be used to satisfy the Science Elective graduation requirement.

AP Computer Science Principles introduces students to the central ideas of Computer Science, by encouraging them to be creative as they develop digital artifacts and use simulations to explore questions that interest them. This rigorous course is designed to appeal to a broad audience, and is intended to allow students to develop computational thinking skills as they engage in creative aspects of the field. Concepts from a variety of current programming languages will be utilized to focus on using technology and programming to solve problems that require computational solutions. All students enrolled in this course are required to take the AP Computer Science exam in the spring.

Computer Programming I (Semester)

Course No: 110130703

Grade Level: 9, 10, 11, 12

This is a hands on computer programming course that introduces students to computational thinking using various programming languages. The student will focus on problem solving, logic, critical thinking, language syntax, top-down structure, reading internalization and documentation. Class activities include programming in several languages. The knowledge and skills gained in this course can easily be transferred into real-world projects such as mobile applications and robotics.

Computer Publishing and Graphics CP (Semester)

Course No: 70000703

Grade Level: 9, 10, 11, 12

This course is designed to enable students to develop a high level of operational skill on the computer integrating graphics software programs such as Photoshop and Animate. Authentic assessment is through the production of projects and multi-media presentations displayed on a student designed and created web site.

Media Technology CP (Semester)

Course No: 114280702

Grade Level: 9, 10, 11, 12

Students create professional quality video utilizing computing technology integrating Premiere, After Effects, and Audition software. Students plan and develop videos demonstrating filming techniques and create promotional media for school events. The course provides an environment for students to develop competency in media literacy, including critical thinking and self-expression. Students progress through different production roles, including those of videographer, director, and producer. There will be additional time spent out of class shooting footage and editing video.

Web Design CP (Semester)

Course No: 114310701

Grade Level: 9, 10, 11, 12

This web design class provides a thorough introduction to implementing a full-featured web site on the Internet or intranet. The course starts with an introduction to the Internet and progresses to the implementation of dynamic client-side content using HTML 5, CSS 3 JavaScript, and web design software. Students enrolled in this course will be introduced to simple computer programming, in addition to creating, designing, and developing actual web pages.

FINE ARTS

Visual Arts

NOTE: Pre-requisites may be waived for students who take classes outside of school and can show they have sufficient experience and skill. Students must present a portfolio to be reviewed by the teacher.

Design Fundamentals CP *(Semester)*

Course No: 500000707 Grade Level: 9, 10, 11, 12

This course deals with the application of the elements and principles of design in a variety of mediums. Students are given assignments that apply to areas of design which might include graphic art, illustration, and architecture. Students will also learn about the art movements which contributed to the development of design from the 1880's to the Modern era.

Survey of the Visual Arts CP *(Semester)*

Course No: 500211701 Grade Level: 9, 10, 11

This introductory course is designed to provide experience in a wide range of art forms. Students explore a variety of art materials and techniques through a series of projects which might include basic design, art history, painting, ceramics, sculpture, and crafts.

Drawing I CP *(Semester)*

Course No: 500311702 Grade Level: 9, 10, 11

This course is designed for students to explore the fundamentals of drawing. The elements, principles, and technical skills are acquired through a series of sequential drawing experiences dealing mainly in pencil, with additional experimentation in charcoal, ink, pastel, and markers. The analysis of drawings and the understanding of the elements and principles of art are an important element of this course.

Drawing II CP *(Semester)*

Course No: 500312703 Grade Level: 10, 11, 12
PRE-REQUISITE: Drawing I CP

The focus of the course is for students to further develop their drawing abilities and skills, after learning the basic fundamental skills from Drawing I. The goal of this course is to develop a more individual approach to drawing.

Exploring Painting CP *(Semester)*

Course No: 500321708 Grade Level: 10, 11, 12
PRE-REQUISITE: Drawing I CP or Design Fundamentals

Students will learn the background history to the development of painting through series of related projects. Students will apply color theory and color relationships to create various color effects in their work and master techniques related to the medium.

Clayworks I CP *(Semester)*

Course No: 500411704 Grade Level: 10, 11, 12

The focus of this course is on all aspects of working with clay. The course covers hand building, coil and slab techniques, and various techniques of glazing and finishes with possible wheel throwing at the end of the semester. The course also includes the history of ceramics and a field trip to the Carlos Museum at Emory.

Clayworks II CP *(Semester)*

Course No: 500412705 Grade Level: 11, 12
PRE-REQUISITE: Clayworks I CP and/or 3-D Sculptural Forms

This course is for students who have completed a semester of Clayworks I and will focus on a more in-depth approach to working with all aspects of clay. The course will cover hand building, wheel throwing, and various techniques of glazing and finishes.

Three-Dimensional Sculptural Forms CP *(Semester)*

Course No: 500611706

Grade Level: 10, 11, 12

This course is for the student interested in the construction of three-dimensional pieces involving a variety of media which might include: paper, wood, fiber, clay, plaster, and metal. Different techniques such as modeling and casting will be used in constructing and assembling various materials to create a variety of three-dimensional projects. The history of sculpture will also be studied.

Advanced Studio Art CP

Department Approval Required

Course No: 500000709

Grade Level: 11

PRE-REQUISITE: Drawing I and Exploring Painting *or* Design Fundamentals

Advanced Studio Art is designed for the serious-minded art student who has mastered the fundamental skills and desires to further develop his/her artistic abilities. This course focuses on the perfection of technical skills through in-depth assignments. Students are encouraged to take AP in either Drawing, 2-D Design, or 3-D Design in their senior year. Students will create a portfolio by year's end.

AP Studio Art: Drawing

Department Approval Required

Course No: 500811741

Grade Level: 12

PRE-REQUISITE: Advanced Studio Art

This course is designed for self-motivated students committed to serious study in art. A prescribed portfolio reflecting three areas of study: Quality, Concentration, and Breadth, is submitted to the evaluators of the Advanced Placement program. All students are required to submit an AP portfolio and college credit may be awarded on the basis of the evaluation.

AP Studio Art: 2D

Department Approval Required

Course No: 500813740

Grade Level: 12

PRE-REQUISITE: Advanced Studio Art

This course is designed for self-motivated students committed to serious study in art. A prescribed portfolio reflecting three areas of study: Quality, Concentration, and Breadth, is submitted to the evaluators of the Advanced Placement program. All students are required to submit an AP portfolio and college credit may be awarded on the basis of the evaluation.

Dance

Dance I CP

Course No: 510530701

Grade Level: 9, 10

PRE-REQUISITE: Audition Required

This course is designed to teach the fundamentals of ballet, jazz, and Pilates-based conditioning at the beginner level. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

Dance II CP

Course No: 510540702

Grade Level: 9, 10, 11

PRE-REQUISITE: Audition required if not currently enrolled in Dance I

This course is designed to teach the fundamentals of ballet, jazz, and Pilates-based conditioning at the intermediate level. In addition, students will learn beginner level modern techniques. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

Dance III CP

Course No: 510550703

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition required if not currently enrolled in Dance II

This course is designed to teach the fundamentals of ballet, jazz, and Pilates-based conditioning at the advanced level. In addition, students will learn advanced level modern and contemporary techniques. Students will further develop their technique through increased complexity in class combinations, musical phrasing, and choreography. Group discussions center on dance vocabulary, dance history, current events, and choreography. Students will develop their performance quality by participating in the annual dance concert and choreography project.

Dance Company CP

Course No: 510560704

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition required. Must be currently taking at least 2 ballet classes per week and fully trained on pointe.

This course is for students who have achieved proficiency in ballet, jazz, and modern techniques. Students will participate in ballet, jazz, modern, and Pilates classes at the advanced and pre-professional level. Students will be exposed to guest teachers and choreographers. Enhancement of technique, stage presence, and performance quality are targeted. Dance Company is a co-curricular course which meets during the school day, as well as after school on Wednesdays. Students perform in the Open House, Morning of the Arts, Fine Arts Assembly, outreach performances, the annual Spring Dance Concert, and the Novo Choreography Project.

Music

Vocal Ensemble (Men/ Women)

Course No: 540251790 / 540251790 Grade Level: 9, 10, 11, 12

No Audition Necessary

PRE-REQUISITE: A love for singing; the ability to match pitch; and a willingness to learn how to sight sing and improve the voice through proper vocal techniques

May Repeat for Credit

Vocal Ensemble is a non-auditioned, year-long, performance-based elective. Repertoire will include multiple musical genres (classical, folk, pop, jazz, Broadway, etc.) with sacred and secular texts in multiple languages. All required after school or evening concerts and rehearsal dates are announced on the first day of school.

Music Appreciation CP (Semester)

Course No: 530140704

Grade Level: 9, 10, 11, 12

No music experience is needed for this class. This course will take students on a musical journey through time. Students will listen to many musical examples and study eras and major advancements in the history of music. Specific eras to be studied will include music from the Middle Ages through the Rock and Roll era. Students will engage in daily discussions and listening sessions.

Music Theory Fundamentals CP (Semester)

Course No: 530210705

Grade Level: 9, 10, 11, 12

This course is aimed toward non-musicians or students with very limited musical experience. Students will learn the very basic mechanics of music including reading rhythm and pitch, understanding musical expression, and learning about musical instrument families. This class will also aim to refine a student's listening ability through limited aural skills training and listening assignments. Students will be asked to write about and listen critically to music, and students will be asked to compose music in a project at the end of the semester. Students will also have very basic piano proficiency and understanding through the use of hands-on performance.

Music Theory CP (Semester)

Course No: 530210707

Grade Level: 9, 10, 11, 12

Some musical experience is recommended for this course. Students study basic fundamentals of music theory (rhythm and meter, keys, harmonic analysis, aural recognition of intervals) on a more in-depth level than they would in a performance class or in Music Theory Fundamentals. Students will also be introduced to composition techniques and analysis of musical

form. Students with an interest in compositional techniques and a musical performance background would be best suited for this class. This course can also serve as preparation for the AP Music Theory class.

AP Music Theory

Department Approval Required

Course No: 530230741

Grade Level: 11, 12

This course is designed to provide students with the necessary skills to master the rudiments of music notation, part-writing, intervals, scales, keys, chords, meter, and rhythm. The course involves a high level of problem solving, analysis, and creativity. In order to further aural development, students will be required to engage in sight-singing, melodic dictation, and rhythmic dictation. Harmonic and motivic analysis, along with the analysis of repertoire will be examined in this course. Students should anticipate an average of 1 hour of homework per night and are required to take the AP exam in May.

Music Technology CP (Semester)

Course No: 530221727

Grade Level: 9, 10, 11, 12

This course will cover the essential points of current technology used in today's music production and sound for film and television environments. Students will learn audio signal flow and processing on analog and digital equipment; will discuss microphones, compressors, equalizers, reverbs, and delays, and how they may be applied differently to various instruments; and will be using GarageBand and Ableton Live to learn about music production and sound for film and television.

Music Technology II CP (Semester)

Course No: 530222728

Grade Level: 10, 11, 12

PRE-REQUISITE: Music Technology I with a final average ≥ 80 or Permission of Teacher

This course will build on the essential points covered in Music Technology I. Students will learn more about complex audio signal flow in a modern recording studio as well as "in-the-box" platforms, multi-track MIDI recording and editing, multi-track mixing, software mastering, film and video sound, and live music production/performance. Students will be required to take on more challenging projects that will need to be worked on outside of the classroom in order to complete them.

Beginning Guitar CP

Course No: 530841701

Grade Level: 9, 10, 11, 12

This course is for students with little or no experience on the guitar. Students learn the fundamentals of guitar, finger style techniques, and how to read and write music. No prior music knowledge is necessary. Development of musical sense and understanding of basic musical concepts and theory will be introduced with the guitar. History of the guitar in Western music will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable guitar prior to the first class. Electric and nylon string guitars are provided in class.

Intermediate Guitar CP

Course No: 530851702

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Beginning Guitar with a final average ≥ 90 or Audition Required

This course is for students with a working knowledge of the fret board on the guitar. Students work on more advanced concepts of right and left hand techniques with the guitar. The course teaches music reading skills, theory, composition, and improvisational techniques. Development of musical concepts and improvisational styles will be examined. Classical and modern guitar literature in Western music will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable nylon string guitar. This is a performance class and after-school rehearsals, performances, and concerts are required. Electric and nylon string guitars are provided in class.

Advanced Guitar CP

Course No: 530861703

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Intermediate Guitar with a final average ≥ 90 or Audition Required

This course is for students with advanced knowledge of the fret board on the guitar. Students will master advanced concepts of right and left hand techniques with the guitar. The course teaches advanced reading skills, theory, and improvisational techniques. Development of musical ideas, composition, and improvisational styles will be examined. Classical and modern guitar literature will be examined. Emphasis is on proper form and technique development. Students are required to have a suitable nylon string guitar. This is a performance class and after-school rehearsals, performances, and concerts are required.

Band Fundamentals CP *(Semester)*

Course No: 530364705

Grade Level: 9, 10

May Repeat Once for Credit

NOTE: Students in this class may join the Marching Golden Lions band.

This class will acclimate incoming band students to the SPX high school band environment and cultivate the students' musical qualities and abilities; it is also open to students who wish to learn a new instrument as a true beginner. The class will focus on some remedial teaching and overall improvement of the students' musical performance abilities and technique to help prepare them for participation in other band courses. Attention will be primarily on developing technique through music theory skills, individual idiomatic study on instruments, and performance in group settings. Students will prepare repertoire for performances as a class.

Marching Band-Winds & Battery Percussion CP *(Semester)*

Course No: 530381707

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition/Interview required for new students

NOTE: Performances at football games (home and away) and marching contests are required and graded.

Focus will be on development of marching and playing technique, as well as the learning of marching repertoire. The Marching Band performs a half-time show at home football games. The group also participates at certain community events. Marching Band members are required to attend band camp and several late July and early August rehearsals. Members are also required to attend weekly after-school practices. The group also performs at the Christmas Concert in December.

Marching Band-Front Ensemble Percussion CP *(Semester)*

Course No: 530382708

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition/Interview required for new students.

NOTE: Performances at football games (home and away) and marching contests are required and graded.

Students must have Focus will be on development of marching and playing technique, as well as the learning of marching repertoire. The Marching Band performs a half-time show at home football games. The group also participates at certain community events. Marching Band members are required to attend band camp and several late July and early August rehearsals. Members are also required to attend weekly after-school practices. The group also performs at the Christmas Concert in December.

Concert Band CP *(Semester)*

Course No: 530371706

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition/Interview required for new students.

NOTE: Members of the Concert Band are expected to register for Concert Jazz Band or Symphonic Band for semester II.

Focus will be on the development of concert technique including articulation, pitch, rhythm, phrasing, dynamics, and tone quality. Members are encouraged to take private lessons. The class develops and strengthens basic technique through music literature ranging from basic to intermediate levels. The class rehearses and performs traditional concert band literature, such as classical and movie soundtrack music, appropriate to the skill level of the group. The concert band performs at the Christmas Concert in December and the Spring Concert in April. The group may be required to rehearse after school in preparation for concerts.

Symphonic Band CP *(Semester)*

Course No: 530383709

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition/Interview required for new students.

Focus will be on the development of concert technique including articulation, pitch, rhythm, phrasing, dynamics, and tone quality. The Symphonic Band rehearses and performs intermediate to advanced literature. Members are encouraged to take private lessons. The group will perform at the Spring Concert in April, as well as at other possible outreach events. The group will occasionally perform at the GMEA large group festival evaluation or another select event. The group may be required to rehearse after school in preparation for concerts.

Concert Jazz Band CP *(Semester)*

Course No: 530651710

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Audition/Interview required for new students.

The Concert Jazz Band performs a variety of Jazz and Pop music literature. Instrumentation includes brass, woodwinds, electric guitar, electric bass guitar, upright double bass, drum set, and piano/keyboard. Jazz history along with observations of performances by various artists will be studied. Mandatory performances include the Spring Concert and scheduled outreach events. Students will rehearse and perform Jazz band literature ranging from basic to intermediate levels. The group may be required to rehearse after school in preparation for concerts.

Theater

Dramatic Arts/Fundamentals I CP *(Semester)*

Course No: 520210702

Grade Level: 9, 10, 11, 12

NOTE: Attendance at three professional productions outside of school is required.

This is a basic course in acting for students who have little or no experience in this area. Memorizing lines and performing scenes as well as the reading of popular plays are some of the challenges. Field trips to live theatrical productions, both amateur and professional, are required. A solo monologue is performed and evaluated at the end of the semester.

Dramatic Arts/Fundamentals II CP *(Semester)*

Course No: 520220703

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Drama I or Audition

This course includes further study of acting techniques: body movement, improvisation, and scene presentation. It also includes more advanced vocal, physical, and emotional exercises as well as proper monologue delivery and technique. Students also participate in drama workshops on campus, read popular plays, and take three (3) required field trips to local professional theaters. Two contrasting monologues are performed at the end of the semester.

Survey of Musical Theatre CP *(Semester)*

Course No: 520000706

Grade Level: 9, 10, 11, 12

NOTE: Attendance at the Pius production and three professional musicals outside of school is required.

This course is designed for actors as well as non-actors. The course will examine how musical theatre began in America and its impact on the Broadway experience. Performance techniques are included along with musical films for critique.

Theater Technology CP *(Semester)*

Course No: 520460707

Grade Level: 9, 10, 11

NOTE: Students will be required to participate in at least three (3) of the five (5) Fine Arts productions that take place during second semester.

This course will emphasize practical use of equipment and operation of the theater. It will include use of lighting and sound equipment, stage and house management, building and equipment maintenance, and working with performers and patrons of the arts. There will be a final exam as well as a comprehensive "hands on" exam.

Directing CP *(Semester)*

Department Approval Required

Course No: 520000705

Grade Level: 10, 11, 12

PRE-REQUISITE: Two years prior participation in Pius Players or permission of teacher.

NOTE: Students will be required to participate in two (2) of the three (3) Fine Arts productions that take place during the year

This is a performance-based class for the advanced student presently in Pius Players. Students will read relevant plays, analyze scenes, co-direct short selections, and strengthen improvisation skills through "comedy" conventions. Students will also assist Drama Director with designated yearly productions, rehearse during class, and participate in after-school rehearsals and performance. A directing project exam will be performed for evaluation at the end of the semester.

PHYSICAL EDUCATION AND HEALTH

NOTE: Students may not take more than one PE course per semester.

Freshman Requirement

Health and Wellness CP *(Semester)*

Course No: 170110713

This course provides students with a variety of learning experiences in the fundamental concepts of health-related and physical fitness topics. Using a blended learning model, students will be completing assignments and activities both in class and online. Units on self-esteem, nutrition, stress, substance abuse, reproduction, cardiovascular development/endurance, strength development and flexibility improvement will be covered during the semester. Through these experiences, students should be motivated to shape attitudes and conduct to maintain a high level of lifetime wellness.

Electives

PRE-REQUISITE: Health and Wellness CP. See descriptions for any additional requirements.

Lifetime Sports I CP *(Semester)*

Course No: 360220702

Grade Level: 9, 10, 11, 12

This course is designed to introduce students to various lifetime sports. Students are provided the opportunity to learn the history, rules, regulations, etiquette, strategy, and basic motor skills of each activity. The emphasis is placed on teaching and improving motor skills unique to each individual or dual sport.

Lifetime Sports II CP *(Semester)*

Course No: 360220702

Grade Level: 9, 10, 11, 12

PRE-REQUISITE: Lifetime Sports I CP, Team Sports I CP, or Team Sports II CP

This course is designed for the student who has successfully completed Team Sports I. Advanced individual skills and team concepts will be covered to further enhance the development of each student.

Girls' Weight Training CP *(Semester)*

Course No: 360540707

Grade Level: 9, 10, 11, 12

May Repeat for Credit

This course is designed for the student interested in weight training. Students will learn the location and function of the major muscles, the lifts that best develop these muscles, and various types of workouts. An emphasis is placed on learning and using proper techniques and body development.

Boys' Weight Training CP *(Semester)*

Course No: 360540708

Grade Level: 9, 10, 11, 12

May Repeat for Credit

This course is designed for the student interested in weight training. Students will learn the location and function of the major muscles, the lifts that best develop these muscles, and various types of workouts. An emphasis is placed on learning and using proper techniques and body development.

Boys' Advanced Weight Training CP *(Semester)*

Course No: 360640715

Grade Level: 9, 10, 11, 12

May Repeat for Credit

PRE-REQUISITE: Permission of Teacher

This course is designed for the student who has successfully completed Boys' Weight Training CP. Improving a student – athlete's overall athletic skills through strength and conditioning will be the emphasis of this course. Advanced explosive and Olympic training techniques will be taught and used to further develop each individual. Additionally, workouts designed to increase power, strength, coordination, and balance will be used to increase a student-athletes.

NON-CREDIT COURSES

Non-Credit Study Time

In keeping with the school objective to develop a growing sense of responsibility in the student, the use of a non-credit study period is a system of progressive responsibility. Study Hall and Unassigned may not be taken only once per year and may not be taken by students who have another non-credit course during a given school year.

Study Hall (*Semester*)

Grade Level: 9, 10, 11, 12

Students in all grade levels seeking a structured study period are assigned to study hall. Study Hall may be taken only one semester in any given school year.

Work Study (*Semester*)

Business Office Approval Required

Grade Level: 9, 10, 11, 12

Work Study is assigned only one semester in any given school year and takes priority in the schedule over any elective choices. No credit is awarded

Study Support

Study Support provides a variety of assistance to students including tutoring and help monitoring academic progress. Placement in this program is based on assessment of student needs by the Study Support Department. All students who are enrolled must have current Psycho-Educational testing on file.

Study Support is a year-long course, which takes priority over elective choices. Students in Study Support meet one period per day. No credit is awarded.

Freshman Study Support

Course No: 990000789

Sophomore Study Support

Course No: 990000790

Junior Study Support

Course No: 990000791

Senior Study Support

Course No: 990000792

AP CLASS OFFERINGS

Department	Name	Grade Levels
Business/Computer Science	AP Computer Science Principles (Y)	9, 10, 11, 12
	AP Computer Science A (Y)	10, 11, 12
English	AP English Language and Composition (Y)	11
	AP English Literature and Composition (Y)	12
Fine Arts	AP Music Theory (Y)	11, 12
	AP Studio Art: Drawing (Y)	12
	AP Studio Art: 2D (Y)	12
	AP Studio Art: 3D (Y)	12
World Languages	AP Spanish Language and Culture (Y)	11, 12
	AP Latin (Y)	11, 12
	AP French Language and Culture (Y)	12
Math	AP Calculus AB (Y)	11, 12
	AP Calculus BC (Y)	11, 12
	AP Statistics (Y)	11, 12
Science	AP Biology (Y)	11, 12
	AP Chemistry (Y)	11, 12
	AP Physics 1 (Y)	11, 12
	AP Physics C (Mechanics) (Y)	12
Social Studies	AP Human Geography (Y)	10
	AP World History (Y)	10
	AP United States History (Y)	11
	AP Modern European History (Y)	11, 12
	AP Psychology (Y)	11, 12
	AP American Government and Politics: United States (S)	12
	AP Government and Politics: Comparative (S)	12
	AP Macroeconomics (S)	12
AP Microeconomics (S)	12	

Students enrolled in AP course(s) are required to take the AP exam(s) in May.

Courses labeled AP include an 8-point addition in the final numeric average provided this average is a 70% or greater. In the case of a failing grade, the student will not be awarded the 8-point addition.

AP courses require a fee of \$95 each for the AP exam.

AP COURSE EXPECTATIONS

	Grade Level	Amount of Reading Per Week	Outside of Class Time Expected	Major Tests/Essays/Assignments/Semester	Major Papers & Projects
Business/Computer Science					
AP Computer Science A *	11, 12	Online textbook/resources, equivalent to 10-15 pages from a college level text	2-3 hours/week	4 major tests, 4-5 quizzes, 10-12 short programming assignments	Three major projects (approved by College Board), 5-6 minor projects
AP Computer Science Principles *	9, 10, 11, 12	Online textbook/resources, equivalent to 10-15 pages from a college level text	2-3 hours/week	4 major tests, 4-5 quizzes, 6-8 short programming assignments	Two performance tasks (submitted to College Board), 5-6 minor projects

* May be used to fulfill the science elective graduation requirement.

English					
AP English Lang/Comp	11	Course readings (college level) from in-class texts, novels, and online sources equivalent to 20-25 pages	2-3 hours/week	2 major tests, 10-12 writing assignments, including timed writes, personal narratives, rhetorical analysis, poetry, etc.	Three major projects and 5-6 minor projects, all of which are course requirements
AP English Lit/Comp	12	Around 20-30 pages/week; novels, plays, poetry	2-3 hours/week	3 major tests, 8 -10 writing assignments including timed writes, literary analysis essays, and imitative writing; multiple choice test practice (4-6 per semester)	1 major project, 1 major seminar, 2 or 3 minor presentations/projects

Fine Arts					
AP Music Theory	11, 12	10 to 15 pages	2-3 hours per week	5 tests, 8-12 quizzes, 7-8 homework assignments	3 composition projects
AP Studio Art	12	None	5 or more hours per week	7 homework 4-5 classwork assignments	Critiques and portfolio reviews
AP Studio Art: 2D	12	None	5 or more hours per week	7 homework 4-5 classwork assignment	Critiques and portfolio reviews
AP Studio Art: 3D	12	None	5 or more hours per week	7 homework 4-5 classwork assignments	Critiques and portfolio reviews
AP Studio Art: Drawing	12	None	5 or more hours per week	7 homework 4-5 classwork assignments	Critiques and portfolio reviews

World Languages					
AP French	12	12-15 pages in French plus listening practice	Min. 1 hour/day	5 AP-type essays	5-6 oral presentations
AP Latin	11, 12	60-80 lines of Latin, sometimes 15-20 pages of English	30-60 minutes/day	5-6 major tests or essays per semester	2 papers per semester
AP Spanish	11, 12	10 to 12 pages in Spanish	Min. 30 minutes/day	10 essays, 6 small emails or essays	4 to 5 oral presentations/ projects, one book to read during each semester

	Grade Level	Amount of Reading Per Week	Outside of Class Time Expected	Major Tests/Essays/Assignments/Semester	Major Papers & Projects
Math					
AP Calculus AB	11, 12	Daily homework and pre-reading of textbook sections	30-60 minutes/day	4-5 major tests per semester	10 AP practice questions due (approx. 1/week)
AP Calculus BC	11, 12	Daily homework and pre-reading of textbook sections	30-60 minutes/day	5-6 major tests per semester	11 AP practice questions due (approx. 1/week)
AP Statistics	11, 12	10 pages per night	4-5 hours/week	4-5 major tests per semester	10 AP practice questions due (approx. 1/week)

Science					
AP Biology	11, 12	7 hours	1 hour/day	5-6 tests, 8-10 quizzes, and 6-8 essays/ semester	4-5 labs and 3-4 projects per semester
AP Chemistry	11, 12	2 hours	7-8 hours/week minimum	5-6 AP style tests, 10-12 quizzes	12-14 labs; summer assignment
AP Physics 1	11, 12	1-2 hours a week	5-7 hours/week	4-5 major tests per semester	10-15 labs per semester; 1 project
AP Physics C (Mechanics)	11, 12	2 hours	8-10 hours/week	5-7 major tests; 2 full AP exams in spring	12-14 labs; 1 project

Social Studies					
AP European History	11, 12	20-30 pages	30-60 minutes/day	4 tests, 6 reading quizzes, multiple short answer, timelines, essays	None
AP Govt & Politics: Comp	12	50-60 pages	reading plus 15-20 minutes/day	5 major tests (multiple choice and writing)	None
AP Govt & Politics: US	12	50-60 pages	reading plus 15-20 minutes/day	5 major tests (multiple choice and writing)	None
AP Human Geography	10	50-60 pages	reading plus 15-20 minutes/day	5-6 major tests per semester	2 Projects
AP Macro-economics	12	15-25 pages	3-5 hours/week	6 unit tests, 4-5 College Board-style essay sets, and 6 asgmt. grades	2-4 projects
AP Micro-economics	12	15-25 pages	3-5 hours/week	5 unit tests, 5 College Board-style essay sets, and 5 asgmt. grades	2-4 projects
AP Psychology	11, 12	50-60 pages	4-5 hours/week; work is due the last day of a unit, so students self-monitor their progress	5 major tests, 3 essays	3 projects associated with unit goals
AP US History	11	60-70 pages	6-8 hours a week	4 tests, 6 essays	1 annotated bibliography, 1 formal research paper, 2-4 projects
AP World History	10	20-40 pages	4-7 hours/week depending on proximity to tests	6 unit tests per semester, 6-10 College Board-style essays or essay activities	1-2 projects

COURSE PROGRESSION BY GRADE LEVEL

Grade 9

Theology	Basics of Catholicism / Catholic Miracles / Survey of Catholic Christianity (1)
English	English I Literature and Composition (1)
Math	Algebra I or Geometry (1)
Science	Biology (1)
World Languages	French, Latin, or Spanish (1)
Other	Elective Courses (1)
Freshman Requirements	Health & Wellness (.5) Computer Applications (.5)

- Students in Freshman Study Support will not have an elective during the academic year.
- Work Study will replace one semester of elective credit.

Grade 10

Theology	Hebrew Scriptures (.5) / Christian Testament (.5)
English	English II Literature and Composition (1)
Math	Geometry or Algebra II (1)
Science	Chemistry (1)
Social Studies	World History (1)
World Languages	French, Latin, or Spanish (1)
Other	Elective Courses (1)

- Students in Sophomore Study Support will not have an elective during the academic year.
- Work Study will replace one semester of elective credit.

Grade 11

Theology	Catholic History and Major Faiths of the World CP (1)
English	American Literature/College Writing or AP English Language/Composition (1)
Math	Algebra II, Advanced Algebra/Trigonometry, Analysis, Statistics, or Calculus (1)
Science	Physics or Science Elective (1)
Social Studies	United States History (1)
Other	Elective Courses (2) - includes World Languages at this level

- Work Study will replace one semester of elective credit.

Grade 12

Theology	Apologetics & Ethics (.5) / Catholic Social Teaching (.5)
English	British Literature/College Writing or AP English Literature/Composition (1)
Math	Advanced Algebra/Trigonometry, Analysis, Statistics, or Calculus (1)
Science	Physics or Science Elective (1)
Social Studies	Government (.5) / Economics (.5)
Other	Elective Credits (2) - includes World Languages at this level

- Work Study will replace one semester of elective credit.

ELECTIVE OPTIONS BY GRADE LEVEL*

Courses in BOLD are core electives and are calculated into the student's HOPE GPA.

Grade 9

AP Computer Science Principles

Band — Concert/Jazz, Fundamentals, Marching,
Symphonic (S)

Computer Programming I (S)

Computer Publishing and Graphics (S)

Current Issues/ Political Speech (S)

Dance — I, II, III, & Company

Design Fundamentals

Dramatic Arts/Fundamentals I (S)

Drawing I (S)

Guitar — Beginning, Intermediate, Advanced

Journalism (S)

Lifetime Sports I (S)

Media Technology (S)

Music Appreciation (S)

Music Technology I (S)

Music Theory Fundamentals/Music Theory (S)

Power of Speech (S)

Study Hall (S)

Survey of Musical Theatre (S)

Survey of the Visual Arts (S)

Theater Technology (S)

Vocal Ensemble, Men's/Women's (S)

Web Design (S)

Weight Training, Boys'/Girls' (S)

Grade 10

Accounting, Principles of (S)

AP Computer Science A

AP Computer Science Principles

AP Human Geography

Band — Concert/Jazz, Fundamentals, Marching,
Symphonic (S)

Business Law (S)

Clayworks I (S)

Computer Programming I (S)

Computer Publishing and Graphics (S)

Current Issues and Political Speech (S)

Dance — I, II, III, & Company

Design Fundamentals (S)

Directing (S)

Dramatic Arts/Fundamentals I & II (S)

Drawing I & II (S)

Exploring Painting (S)

Guitar — Beginning, Intermediate, Advanced

Journalism (S)

Journalism — Magazine (S)

Journalism — Newspaper or Yearbook

Lifetime Sports I & II (S)

Marketing, Principles of (S)

Media Technology (S)

Music Appreciation (S)

Music Technology I & II (S)

Music Theory Fundamentals/Music Theory (S)

Power of Speech (S)

Study Hall (S)

Survey of Musical Theatre (S)

Survey of the Visual Arts (S)

Theater Technology (S)

Three-Dimensional Sculptural Forms (S)

Vocal Ensemble, Men's/Women's (S)

Web Design (S)

Weight Training, Boys' Advanced (S)

Weight Training, Boys'/Girls' (S)

* See specific course descriptions for any pre-requisites and to determine if an audition, application and/or department approval is required.

Grade 11

Accounting, Principles of (S)

Advanced Studio Art

AP Computer Science A

AP Computer Science Principles

AP Modern European History

AP Music Theory

AP Psychology

Band — Concert/Jazz, Fundamentals, Marching,
Symphonic (S)

Business Law (S)

Clayworks I & II (S)

Computer Programming I (S)

Computer Publishing and Graphics (S)

Current Issues and Political Speech (S)

Dance — II, III, & Company

Design Fundamentals (S)

Directing (S)

Dramatic Arts/Fundamentals I & II (S)

Drawing I & II (S)

Exploring Painting (S)

Guitar — Beginning, Intermediate, Advanced

Journalism (S)

Journalism — Magazine (S)

Journalism — Newspaper or Yearbook

Lifetime Sports I & II (S)

Marketing, Principles of (S)

Media Technology (S)

Music Appreciation (S)

Music Technology I & II (S)

Music Theory Fundamentals/Music Theory (S)

Power of Speech (S)

Sociology (S)

Servant and Vocational Leadership, Principles of (S)

Study Hall (S)

Survey of Musical Theatre (S)

Survey of the Visual Arts (S)

Theater Technology (S)

Three-Dimensional Sculptural Forms (S)

Vocal Ensemble, Men's/Women's (S)

Web Design (S)

Weight Training, Boys' Advanced (S)

Weight Training, Boys'/Girls' (S)

Grade 12

Accounting, Principles of (S)

AP Computer Science A

AP Computer Science Principles

AP Modern European History

AP Music Theory

AP Psychology

AP Studio Art: 2D/Drawing

Band — Concert/Jazz, Fundamentals, Marching,
Symphonic (S)

Business Law (S)

Clayworks I & II (S)

Computer Programming I (S)

Computer Publishing and Graphics (S)

Dance — III/ Company

Design Fundamentals (S)

Directing (S)

Dramatic Arts/Fundamentals I & II (S)

Drawing II (S)

Exploring Painting (S)

Film as Literature (S)

Guitar — Intermediate, Advanced

History and the Holocaust (S)

Journalism (S)

Journalism — Magazine (S)

Journalism — Newspaper or Yearbook

Lifetime Sports I & II (S)

Marketing, Principles of (S)

Media Technology (S)

Music Appreciation (S)

Music Technology I & II (S)

Music Theory Fundamentals/Music Theory (S)

Power of Speech (S)

Sociology (S)

Servant and Vocational Leadership, Principles of (S)

Study Hall (S)

Survey of Musical Theatre (S)

Survey of the Visual Arts (S)

Three-Dimensional Sculptural Forms (S)

Vocal Ensemble, Men's/Women's (S)

Web Design (S)

Weight Training, Boys' Advanced (S)

Weight Training, Boys'/Girls' (S)

COURSES NOT OFFERED IN 2017-2018

Advanced Calculus H

Course No: 270750737

Advanced Drumset Applications I CP

Course No: 530000700

Advanced Web Design/Web Development CP

Course No: 114320705

Ancient Civilizations CP

Course No: 450000715

AP Studio Art: 3D

Course No: 500814741

British Literature/College Writing CP

Course No: 230520728

British Literature/Creative Writing H

Course No: 230520737

Catholic Principles of Love and Vocations CP

Course No: 990000725

Computer Programming II CP

Course No: 110130704

Concert Choir

Course No: 530000790

Geography CP

Course No: 450710714

Health CP

Course No: 170110703

Math II CP

Course No: 270820711

Oral Communication CP

Course No: 520000701

Personal Fitness CP

Course No: 360510701

Printmaking CP

Course No: 520000701

Psychology CP

Course No: 450150717

Team Sports I CP

Course No: 360310703

Team Sports II CP

Course No: 360310705

Zoology CPA

Course No: 260710719