



*Cristo Rey
Columbus
Coursebook*



COURSE OF STUDY
Class of 2023 and Onward

9th Grade

<p>English I (Honors)</p> <p>Algebra I/ Geometry</p> <p>Biology</p> <p>World History</p> <p>Theology I</p> <p>Technology</p> <p>PE (sem)</p> <p>Art/Choir (sem)</p> <p>Professional Work-Study Program</p>

10th Grade

<p>English II (Honors)</p> <p>Geometry / Algebra II</p> <p>Chemistry (Honors)</p> <p>US History (AP)</p> <p>Theology II</p> <p>Spanish I (Heritage Sp)</p> <p>PE (sem)</p> <p>Health (sem)</p> <p>Professional Work-Study Program</p>
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11th Grade

<p>English III (AP Lang)</p> <p>Alg. II/Pre-Calc</p> <p>Physics/Honors Physics</p> <p>Government & Economics (AP)</p> <p>Theology III</p> <p>Spanish II (AP Lang.)</p> <p>SAT prep & College Admissions</p> <p>Fine Arts/Study Hall/Elective(Computer Science)</p> <p>Professional Work-Study Program</p>
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12th Grade

<p>English IV (AP Lit.)</p> <p>Pre-Calc/Statistics/AP Calc. AB</p> <p>AP Biology or Physics/Anatomy & Physiology/Engineering/AP Computer Science</p> <p>Theology IV</p> <p>Spanish III (AP Spanish Lit.)</p> <p>SAT prep & College Admissions</p> <p>Fine Arts/Study Hall/Elective</p> <p>Professional Work-Study Program</p>

To graduate or be promoted to the next grade-level, students must pass all classes in **bold**.

All students need to earn at **least one credit in each of the following each year they attend Cristo Rey:**

English
Math
Science
Theology

Students need to earn a minimum of three credits in:

History
Spanish

Students also are required to complete the following:

1/2 credit of PE (two semesters of PE, or one semester of Fitness for Life)
1 credit of Fine Arts (ex. Concert Choir, Art I/II, Digital Photography, Beginning Guitar, Beginning Keyboarding)
1/2 credit of Health (one semester)
a senior capstone project
required service hours
an application to a 4-year college or university

9th GRADE COURSES

ENGLISH

English I (Full year, 1 credit)

The goal of our class is to prepare students for college-level English courses and to deepen our understanding of and appreciation for language. The English I classroom is a rigorous, student-centered environment that supports scholastic inquiry. Students will analyze a selection of short stories, novels, poetry, nonfiction texts and other works which will lead to a higher level of critical thought, argument and discussion than students experienced in middle school. This course is an exploration of writing in order to strengthen writing techniques and styles.

MATH

Algebra 1 (Full year, 1 credit)

Algebra 1 covers the fundamentals of both abstract and concrete mathematics, creating a solid framework for subsequent mathematics classes. The key components of the course include development of critical thinking skills, problem solving, data analysis, pattern recognition, and the solving of equations. Students will be able to take algebraic skills they learn and develop in Algebra 1, and apply them to real-life situations.

Geometry (Full year, 1 credit)

The main goal of Geometry is a development of the concepts of Euclidean Geometry of two and three dimensions. Emphasis is placed on an understanding on the basic properties and relationships of points, lines, angles, triangles, quadrilaterals, and circles with numerical properties that integrate algebra and geometry. This class will include plane and solid geometric concepts, with students learning how to form a logical argument by means of proofs. Students will apply mathematical skills and make meaningful connections to life's experiences.

Prerequisite: Algebra 1

SCIENCE

Biology I (Full year, 1 credit)

Biology is devoted to the study of living things and their processes. Throughout the year this course provides an opportunity for students to develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, evolution and classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function. An end of course test covers objectives for both semesters.

SOCIAL STUDIES

World History (Full year, 1 credit)

This course explores the rich fabric of world history from the beginnings of human society through to contemporary times. The course has three main goals: learning essential historical content; fostering the ability to think historically, including identifying themes, patterns, and trends of historical change; and developing and refining essential reading, writing, speaking, and research abilities to convey this knowledge competently.

THEOLOGY

Theology I (Full year, 1 credit)

Theology at Cristo Rey Columbus High School follows the Columbus Diocese's implementation of the United States Conference of Catholic Bishop's Revised National Standards and Doctrinal Framework. In the first semester of this course, students are guided to develop a general understanding of Sacred Scriptures. They learn about the Bible, its authorship, and the overarching story of Salvation History. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. In the second semester, students will learn about basic Christian doctrine, focusing especially on the mystery of Jesus Christ. They are introduced to the concepts of Revelation, Trinity, and Incarnation. They will also learn about who God is and whom he calls them to be.

TECHNOLOGY

9th Grade Technology (Full year, 1 credit)

The 9th grade Technology students will become proficient on the computer keyboard through a daily warm-up activity in the computer lab. The students will use the desktop PC's in the computer lab and their Apple iPad Air to research, create, organize, collaborate and communicate information. Students will discover how to evaluate information and resources by applying critical thinking, reasoning and problem solving skills by learning and using MS Office 2016. Students will learn Internet Safety skills as well as ethical and legal standards with technology and information as it applies to them, their job, their community and the world. These skills and this knowledge will transfer to other classes, their job and lifelong learning, enabling students to be successful in meeting the demands of the 21st century.

PHYSICAL EDUCATION

Physical Education (2 Semesters required: one semester 9th and one 10th, 0.25 Credits/Semester):

This is a required course for graduation and is a combination of physical education activities and classroom instruction. Students will participate in a variety of fitness and team sport activities as well as

written classroom assignments on fitness-related topics. At the end of the course, all students should be equipped to sustain healthy, energetic lifestyles and engage in enjoyable, meaningful free-time pursuits.

FINE ARTS ELECTIVES

Art Foundations (1 Semester, 0.5 credit)

Students focus on a range of media, techniques and processes that form the discipline's foundation. They compose art works as a form of creative expression leading to greater awareness of self and of the world. Students will construct a digital portfolio of their work as well as have opportunities to submit work to shows and contests. Through exploration of a variety of art works, with an emphasis on aesthetic judgment and appreciation, students understand art as an historical and cultural expression of values and an agent of social change.

Freshman Choir (1 Semester, 0.5 credit)

Freshman Choir is open to all freshman students who are interested in singing, learning more about the voice as well as basic music fundamentals. This group will focus on developing proper vocal production and technique as well as studying and rehearsing music from different cultures and time periods. This group will perform a Christmas and Spring Concert.

10th GRADE CORE COURSES

ENGLISH

English II: American Literature (Full year, 1 credit)

The goal of our class is to prepare students for college-level English courses and to deepen our understanding of and appreciation for language, the most critical tool of human interaction. As a means of sharpening that tool, our classroom will be an inquiry-based environment supported by our materials of study. This year, we will read a selection of novels, short stories, plays, poetry, non-fiction essays, and other works which will lead us to higher levels of critical thought, argument, and discussion. Through this literature, we will explore major themes and motifs that comprise the American literary tradition. We will also study the elements of writing in order to strengthen our own writing techniques and styles and to become stronger researchers.

Prerequisite: *English I*

English II: Honors American Literature (Full year, 1 credit)

In this course we will study important works in American literature from America's founding to the present. We will focus on key moments in American literary history, including American Transcendentalism, Jim Crow literature, and the literature of Civil Rights. We will explore how Americans used literature, art, and music to express the core values and concerns of each historical moment. As this is an honors level course, students are expected to demonstrate high levels of competency in expository writing, critical thinking, and time management. The course begins with a summer reading assignment of a novel and short stories. By the end of the course, students will have mastered a rich vocabulary gleaned from the literary texts and will master a set of literary terms, as well. Honors students will learn to write short analytical responses to literature and will develop skills to master argumentative essay writing.

Prerequisite: *Completion of English I with a minimum score of 85%.*

MATH

Geometry (Full year, 1 credit)

The main goal of Geometry is a development of the concepts of Euclidean Geometry of two and three dimensions. Emphasis is placed on an understanding on the basic properties and relationships of points, lines, angles, triangles, quadrilaterals, and circles with numerical properties that integrate algebra and geometry. This class will include plane and solid geometric concepts, with students learning how to form a logical argument by means of proofs. Students will apply mathematical skills and make meaningful connections to life's experiences.

Prerequisite: Algebra I

Honors Algebra II (Full year, 1 credit)

Honors Algebra II complements and expands the mathematical content and concepts of Algebra I, and is designed for students who are extremely strong in math and want to take AP Calculus AB in their senior year. Sophomore year is the only year in which students can take two math classes and take advantage of this opportunity. Students' knowledge of number systems will be expanded to include both the real and imaginary number systems. Functions will be explored in depth through evaluation, composition, numerical and graphical representation. Other topics include: matrices, exponents, radicals, and linear and quadratic functions. If taken in addition to Geometry (double math) Honors Algebra II is taken in lieu of PE and/or Health which are REQUIRED for graduation and must be made up in 11th or 12th grade.

Prerequisite: A 93% or better in Algebra I OR Geometry in 9th grade.

SCIENCE

Chemistry (Full Year, 1 credit)

The purpose of the sophomore chemistry course is to introduce and elaborate on the concepts of the field of chemistry. In this course students will be introduced to the study of matter and its interactions. Through inquiry, students will learn how to conduct scientific investigations, interpret data, and evaluate models and experimental results. Topics covered in this course include atomic theory, the periodic table, structure and electronic forces, chemical reactions, energy and bonding, reaction rate, equilibrium, stoichiometry, and nuclear reactions. Second year high school students in the course will be engaged in activities that promote critical thinking and complex reasoning skills, while working to improve their organization, use of technology, communication skills, and independent study. The course will include laboratory experiences that focus on application of knowledge and skills related to chemical topics covered in class.

Honors Chemistry (Full Year, 1 credit)

The purpose of the honors chemistry course is to introduce and elaborate on the concepts of the field of chemistry. In this course students will be introduced to the study of matter and its interactions. Through inquiry, students will learn how to conduct scientific investigations, interpret data, and evaluate models and experimental results. Topics covered in this course include atomic theory, the periodic table, structure and electronic forces, chemical reactions, energy and bonding, reaction rate, equilibrium, stoichiometry, and nuclear reactions. The course will include laboratory experiences that focus on application of knowledge and skills related to chemical topics covered in class. Honors students will be expected to work more independently and critically think at deeper levels. The honors class is intended for students who are strong in science and math and desire a more in-depth background in high school chemistry.

Prerequisite: Completion of Biology I and Algebra I with an 85% or higher.

SOCIAL STUDIES

US History (Full year, 1 credit)

This course explores the rich fabric of American history from the coming of the earliest peoples to North America through to contemporary times. The course has three main goals: learning essential historical content; fostering the ability to think historically, including identifying themes, patterns, and trends of historical change; and developing and refining essential reading, writing, speaking, and research abilities to convey this knowledge competently.

AP United States History (Full year, 1 credit)

Advanced Placement (AP) United States History is a survey course in American history, from the coming of the earliest peoples to North America through to contemporary times. The course is designed for students who wish to take the AP exam in early May. The AP US History exam presumes at least one full academic year of college level preparation, so this course will attempt to replicate that preparation. Course content is dictated by the College Board (the author of the AP exam) and will include all elements of the Cristo Rey standards for US History.

Prerequisite: *Completion of prior English and Social Studies Course with a minimum score of 90% OR if Honors English a minimum score of 85%.*

SPANISH

Spanish I (Full year, 1 credit)

Spanish I is the first of a three-year college preparatory high school Spanish course of study. Grammar and vocabulary are taught in a context which develops communication skills: reading, writing, listening and speaking in accordance with the Ohio Foreign Language Standards and Indicators and in alignment with the Cristo Rey Network of World Languages Benchmarks and Standards. In the Spanish I classroom, students work with the language through communication and through culture. Students begin to understand basic native Spanish spoken at a normal speed, speak comfortably on everyday topics, have a basic working knowledge of Spanish grammar structures, and discuss different aspects of Hispanic/Latino cultures.

Heritage Spanish I (Full year, 1 credit)

Spanish Heritage I is the first of a three-year college preparatory high school Spanish course designed for students who are fluent speakers of Spanish but have had little or no formal language training in the classroom. This course will provide students the grammatical tools they need to write effectively with respect to the language. Students will become more familiar with accentuation rules and develop improved spelling skills through grammar drills and directed composition.

Prerequisite: *Fluency in Spanish*

THEOLOGY

Theology II (Full year, 1 credit)

Theology at Cristo Rey Columbus High School follows the Columbus Diocese's implementation of the United States Conference of Catholic Bishop's Revised National Standards and Doctrinal Framework. As such, the course is broken into two distinct topics by semester. The first semester examines the Paschal Mystery of Jesus Christ as shown in the Bible and the overall context of salvation history. Students learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. The second semester focuses on the mission of Jesus as it is

carried out by the Church from ancient times up to today. Students study the Church as the living Body of Christ; a Body that has both divine and human elements.

PHYSICAL EDUCATION/HEALTH

Physical Education (2 Semesters required: one semester 9th and one 10th, 0.25 Credits/Semester):

This is a required course for graduation and is a combination of physical education activities and classroom instruction. Students will participate in a variety of fitness and team sport activities as well as written classroom assignments on fitness-related topics. At the end of the course, all students should be equipped to sustain healthy, energetic lifestyles and engage in enjoyable, meaningful free-time pursuits.

Health (1 Semester, 0.5 Credit)

Health Education is a required course for graduation that must be taken in the 10th or 11th grade year. Health involves a combination of classroom lecture, reading, note-taking, research, independent study and presentations/projects. Students will be introduced to the world of health education and encouraged to use effective note taking strategies and practice study skills. At the end of the course students should have developed the essential health skills necessary to adopt, practice, and maintain health-enhancing behaviors. Health course units of study include: Goals and Decision Making; Mental Health; Relationships; Reproductive System; Human Growth and Development; Communicable Diseases; Non-communicable Diseases; Substance Abuse, and First Aid.

11th GRADE CORE COURSES

ENGLISH

English III: World Literature (Full year, 1 credit)

The goal of our class is to prepare students for college-level English courses and to deepen our understanding of and appreciation for language, the most critical tool of human interaction. As a means of sharpening that tool, our classroom will be an inquiry-based environment supported by our materials of study. This year, we will read a selection of novels, short stories, plays, poetry, nonfiction essays, and other works which will lead us to higher levels of critical thought, argument, and discussion. The readings will allow us to explore many parts of the world and to experience writing styles of various authors. Students will be exposed to different languages, cultural traditions, and historical backgrounds to further their level of understanding of authors and stories' plots. We will also explore the elements of writing in order to strengthen our own writing techniques and styles and to become stronger researchers.

Prerequisite: *Completion of English II.*

AP English Language and Composition

This course is an introduction to college-level reading and writing. When the course is completed, students will have mastered the same skills that college freshmen learn when they take introductory English courses. Because college credit can potentially be awarded at the end of the year, the work in this course is deliberately challenging. Students will read AP-level works and will learn to write complex essays that meet (or exceed!) the College Board standards.

Prerequisite: *Completion of English II with the minimum score of 90% or Honors English II with a minimum score of 85%.*

MATH

Algebra II (Full year, 1 credit)

Algebra II complements and expands the mathematical content and concepts of Algebra I, further enhancing algebraic foundations. Students who master Algebra II will be able to solve problems of increasing level of difficulty. Students' knowledge of number systems will be expanded to include both the real and imaginary number systems. Functions will be explored in depth through evaluation, composition, numerical and graphical representation. Other topics include: matrices, exponents, radicals, and linear and quadratic functions.

Prerequisite: *Algebra I*

Honors Pre-Calculus (Full year, 1 credit):

Honors Pre-Calculus is for juniors and consists of an in-depth study of those subjects, skills, and insights needed to understand calculus. It includes arithmetic, algebra, coordinate geometry, trigonometry, and, most of all, functions---the general concept as well as specific functions. Students come to this course familiar with basic arithmetic, algebra and geometry. A Pre-Calculus course builds on all of their previous mathematical knowledge and experience and explores topics that will be applied in Calculus.

Prerequisites: *Geometry & Honors Algebra II.*

SCIENCE

Physics (Full year, 1 credit)

The junior-level Mathematical Physics course is designed to elaborate on the concepts of the field of physics through the use of mathematics, specifically Algebra. In this course students will be introduced to classical and modern physics topics. Through inquiry, students will learn how to conduct scientific investigations, interpret data, and evaluate models and experimental results. Through experimentation, students will describe and interpret the physical world, identifying and applying principles of physics that impact our daily lives. Topics covered in this course include forces and motion, energy, thermodynamics, electricity and magnetism, and waves. Fourth or third year high school students in the course will be engaged in activities that promote critical thinking and complex reasoning skills, while working to master organization, use of technology, communication skills, and independent study.

Prerequisites: *Successful Completion of Chemistry and Algebra 1.*

Honors Physics (Full year, 1 credit):

The junior-level mathematical Physics course is designed to elaborate on the concepts of the field of physics through the use of mathematics, specifically Algebra and trigonometry. In this course students will still be covering the same material as the general Physics course (see Physics course description), but at a higher level. In addition to general physics coursework, students will be required to synthesis prior math skills to solve more complex physics problems. Students must have a strong base in Algebra 1 and Geometry prior to this course. Students will also be required to write detailed lab reports, where they will create, conduct, and analyze an experiment that tests a hypothesis, which is why students must have a strong base in another science lab course (Chemistry). Students will engage in activities that promote critical thinking and complex reasoning skills.

Prerequisites: *Completion of Chemistry Course with an 85% or higher; successful completion of Pre-calculus course or completion of Algebra and Geometry with a 90% or higher.*

College Credit Plus (CCP) Physics (Full year, 1 credit/5 semester hours of college credit):

College Credit Plus Physics is still pending approval with a partnering university and professor. Students interested in this course can earn college credit. Failure of course has financial repercussions. This course is an algebra/ trigonometry -based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion.

Prerequisites: *Completion of any Algebra II math course earning a 90% or higher, completion of any Chemistry science course earning a 90% or higher. An understanding that this course may not be offered Junior year, therefore placement will be Honors Physics.*

SOCIAL STUDIES

Government (1 Semester, 1 credit)

This course surveys the historic and contemporary development of American government and politics. The course will encourage students to develop an analytical perspective toward government and politics in the United States. It will, in essence, explore how the American people govern themselves at national, state and local levels of government. First, students will assess the historical roots, text, and meaning of the Constitution. Then, students will examine the mechanisms of policy-making and politics within federal, state, and local governments. Finally, students will evaluate the role of individuals in America's civic society, with a particular focus on individual rights and liberties.

Prerequisites: *World History, United States History*

AP United States Government & Politics (Full year, 1 credit)

This college-level course surveys the history, structure, processes, and development of American government and political institutions. Students explore the historical roots of democratic government, while examining the events and ideas that went into America's Constitution. The course then provides an in-depth analysis of the institutions of federal, state, and local government, while applying an understanding of federalism and the separation of powers to contemporary issues. The course also includes examination of political identity and the political process in American society. Students will research the development of individual rights, liberties, and responsibilities, while exploring relevant issues in modern struggles for equality. The course culminates in an Advanced Placement examination offered by the College Board, and it will provide students with a rigorous, inquiry-based, college-level assessment of the American polity.

Prerequisites: *Completion of World History or US History and English with a 90% or better or completion of AP US History with an 80% or better.*

SPANISH

Spanish II (Full year, 1 credit)

Spanish II is the second of a three-year college preparatory high school Spanish course of study. Students continue learning grammar structures, chapter-related vocabulary, and developing speaking, listening, reading and writing skills in order to increase proficiency. Classroom activities include paired conversations, group skit writing and performance, and in class compositions. Students continue to use

online resources in conjunction with their online textbook. Their study of cultures in the Spanish-speaking world focuses on the history, music, art, and food of various countries.

Prerequisite: *Spanish I*

AP Spanish Language and Culture (Full year, 1 credit)

From the AP College Board Website: The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Prerequisites: *Spanish Heritage I*

THEOLOGY

Theology III (Full year, 1 credit)

Theology at Cristo Rey Columbus High School follows the Columbus Diocese's implementation of the United States Conference of Catholic Bishops' Revised National Standards and Doctrinal Framework.. In the first semester, students study the Sacraments to develop an understanding of how Christ is encountered today in a full and real way in and through the sacraments, especially the Eucharist. Students examine each of the sacraments in detail so as to understand Catholic teachings on ways to encounter Christ throughout life. In the second semester, students look at Life in Jesus Christ: Christian Morality. Students study the belief that through Christ they can fully live out God's plans for their lives. Students learn the moral concepts and precepts that govern the lives of Christ's disciples.

12th GRADE CORE COURSES

ENGLISH

English IV: Literature and Social Justice(Full year, 1 credit)

English IV: Literature and Social Justice is a senior level course designed to expose students to the ways in which writers create literature to engage with real world issues and ideas. Students will read major American and British novels, plays, stories, and poetry and will explore the ways in which these texts address important topics in their own time and in ours. Students will learn to write college-level research assignments and rhetorical analyses of literary and nonfiction texts. The theme of this course coincides with Theology IV which focuses on Catholic teachings on social justice.

Prerequisite: *Completion of English III.*

AP Literature and Composition (Full year, 1 credit)

This course is an introduction to college-level reading and writing. When the course is completed, students will have mastered the same skills that college freshmen learn when they take introductory literature courses. Because college credit can potentially be awarded at the end of the year, the work in

this course is deliberately challenging. Students will read AP-level works and will learn to write complex essays that meet (or exceed!) the College Board standards. We will be reading a selection of works from the United States and from other places in the world. The works have been chosen for their complexity and for the ways in which they raise important issues about race, class, gender, identity, and the role of art in the world today.

Prerequisite: *Completion of English III with the minimum score of 90% or AP English Language with a minimum score of 80%.*

MATH

Statistics (Full year, 1 credit):

Students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. The main focus of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of centrality and spread, methods of data collection, methods of determining probability, binomial and normal distributions, hypothesis testing, and confidence intervals. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

Prerequisites: *Completion of Geometry & Algebra II.*

Pre-Calculus (Full year, 1 credit):

Pre-Calculus consists of those subjects, skills, and insights needed to understand calculus. It includes arithmetic, algebra, coordinate geometry, trigonometry, and, most of all, functions---the general concept as well as specific functions. Students come to this course familiar with basic arithmetic, algebra and geometry. A Pre-Calculus course builds on all of their previous mathematical knowledge and experience.

Prerequisites: *Completion of Geometry & Algebra II.*

AP Calculus AB (Full year, 1 credit)

This is a college-level calculus course designed to meet the Advanced Placement curricular requirements for Calculus AB (equivalent to a one-semester college course). The major topics of this course are limits, derivatives, integrals, and the Fundamental Theorem of Calculus. Students will investigate and analyze course topics using equations, graphs, tables, and words, with a particular emphasis on a conceptual understanding of calculus. Applications, in particular solid geometry and physics, will be studied where appropriate.

Prerequisite: *Completion of Honors Pre-Calculus Course with an 80% or higher or 90% or higher in regular Pre-Calculus Course.*

SCIENCE

AP Biology (Full year, 1 credit):

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes of energy and communication, genetics, information transfer, ecology, and interactions.

Prerequisites: *Completion of Biology Course with an 85% or higher AND 80% in AP English classes or 90% in regular English.*

AP Physics 1 (Full year, 1 credit):

AP Physics 1 is an algebra/ trigonometry -based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

Prerequisites: *Completion of Honors Physics with a 80% or higher or Physics with an 90% or higher and a commitment to meet with the teacher during the junior year AND a minimum grade in the junior year of 80% in any math class.*

College Credit Plus (CCP) Physics (Full year, 1 credit/5 semester hours of college credit):

College Credit Plus Physics is still pending approval with a partnering university and professor. Students interested in this course can earn college credit. Failure of course has financial repercussions. This course is an algebra/ trigonometry -based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion.

Prerequisites: *Completion of Honors Physics with a 80% or higher or Physics with an 90% or higher and a commitment to meet with the teacher during the junior year AND a minimum grade in the junior year of 80% in any math class.*

Anatomy & Physiology (Full year, 1 credit):

Anatomy and physiology investigates the structure and function of the human body, as it pertains to how the body systems relate to one another in organization, adaptation, and homeostasis. The material learned in this course can be applied to medical field careers, health and fitness careers, and biological research careers.

Engineering Your World (Full year, 1 credit)

Engineering Your World was developed with funding from the National Science Foundation by a team of University of Texas faculty and NASA engineers. Engineer Your World engages students in authentic engineering practices in a project-based environment. This course offers an opportunity for an Honors section that could be dual credit, college & high school, for those students who qualify.

AP Computer Science Principles (Full year, 1 credit)

AP CS Principles is a new course offered at Cristo Rey Columbus High School. Students will learn how the internet, social media, smart devices, and other technology work everyday. There are opportunities to create apps and work on projects collaboratively. You will learn how to solve everyday problems with tech savvy solutions. Learn how data, java, and code are changing the world as you explore the daily problems of the web.

Prerequisite: *Completion of Technology Course with an 80% or higher.*

SPANISH

Spanish III (Full year, 1 credit)

Spanish III is the third year of the college preparatory high school Spanish course of study. Students demonstrate proficiency in all language skill areas through reading, writing, listening and speaking in the target language. In this course students review all grammar structures, enhance and develop vocabulary,

and complete communicative activities that allow students to converse with native speakers on a variety of topics in both the present and past tenses. Students will read articles, and give oral presentations in the target language. This course is taught entirely in Spanish and completes the foreign language graduation requirement.

Prerequisite: *Spanish II*

Spanish Literature and Culture (Full year, 1 credit)

Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism).

Prerequisite: *Heritage Spanish & AP Spanish Language*

THEOLOGY

Theology IV (Full year, 1 credit)

Theology IV at Cristo Rey Columbus High School follows the Columbus Diocese's implementation of the United States Conference of Catholic Bishop's Revised National Standards and Doctrinal Framework. As such, the course is broken into two distinct topics, one for each semester. The first semester examines the History of the Catholic Church, tracing its origins with the Apostles, through the Church Fathers and into the major eras of the Church's existence. The second semester focuses on the Catholic Church's social teachings as it strives to bring justice and respect to all people in the world.

Prerequisites: *Completion of Theology III.*