Seattle Preparatory School
Course Catalog 2018 – 2019

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Curriculum Overview

Freshman Year
In the 9th grade year, students take 8 courses (6 year-long courses, 2 semester-long courses). All 9th grade students are enrolled in Collegio, an interdisciplinary course integrating English, Social Studies and Religious values. All students take a math placement exam and are enrolled into a math course based on the placement exam as well as teacher recommendation. Students also choose which World Language they would like to study. If the student has previously taken a World Language, they can elect to take a placement exam and upon passing the exam, they may enroll in the Level 2 of that course. All 9th grade students take Biology or Honors Biology based on previously studies in science.

Sophomore Year
In the 10th grade year, students take 9 courses (5 year-long courses, 4 semester-long courses). All 10th grade students are enrolled in Collegio, an interdisciplinary course integrating English, Social Studies and Religious values. Students continue with the next appropriate math course in the math sequence as well as continue with the next level of World Language. Beginning in the 10th grade, students have the choice to between a variety of Science, Arts, and Health/Exercise Science courses. All students must take a one semester Health class.

Junior Year
In the 11th grade year, students take 8 courses (6 year-long courses, 2 semester-long courses). All 11th grade students are enrolled in Collegio, an interdisciplinary course integrating English and Social Studies in American Studies. Students continue with the next appropriate math course in the math sequence. Students can continue with the next level of World Language or take a study period. Students in 11th grade have the choice between a variety of Science, Arts, and Health/Exercise Science courses. All students take a year-long Theology course. During the 11th grade, students can elect to take an AP US History course and sit for the exam during the spring AP testing session.

Senior Year
In the 12th grade year, students are required to take a minimum of six classes each semester; students taking one AP class are required to take a minimum of six classes one semester and five classes the other semester; students taking two or more AP classes are required to take a minimum of five classes each semester. All students take a one-semester integrated course during the second semester called Senior Seminar, which count towards Theology credit. Students may continue with the next appropriate math course in the math sequence as well as science. All 12th grade students take a full year of English course(s).
The Arts

Introduction to the Arts
All freshmen rotate throughout these art classes: visual art, music, drama, and media literacy. In these classes students are introduced to the basic language, concepts, and history of each art.

Choir
The Seattle Prep Choir is a class for sophomores and juniors. The choir performs as a whole for a Christmas Concert, and performs at Benaroya Hall with other Catholic school choirs.

Music in the Movies
Students view films from the silent era to the present, evaluating the way music enhances one’s understanding of the characters and the vision of the film. This class is offered both sophomore and junior year.

Acting 1
Students will gain an understanding and appreciation of theater, public speaking and the craft of acting. Through a variety of games, activities, scene work and acting projects, students will deepen their performance skills while promoting artistic collaboration. This class is offered for sophomores and juniors.

Advanced Acting
Students will deepen their understanding of theater and the craft of acting through a variety of projects and performance assignments. They will look at the entire artistic process from writing and directing to acting and performance. This course is offered for juniors and seniors. This class is open to all students. Taking Acting Class or having Performance Experience is recommended, but not required.

Filmmaking & Video Production
Students become digital filmmakers learning the art and technique of video production by creating, story-boarding, filming, editing and sharing their own short films and videos. This class is offered both sophomore and junior year.

Advanced Filmmaking & Video Production
In this class available for seniors, students will take the skills and techniques they learned in Filmmaking and deepen their creativity by creating longer form films and promotional videos.

Drawing
Students focus on learning how to draw from observation. Students learn techniques on how to draw and design with line, value, perspective, and texture, using a variety of mediums including pencils, charcoal, ink, and collage. This class is offered to sophomores and juniors.

Digital Photography
Students will use their camera as a tool to capture the world they see artistically. They will learn a variety of shooting and editing skills and techniques. Students will also learn about the history of photography as an art form. Digital photography is available both junior and senior year.
Jazz and Popular Music Ensemble
This class will be an instrumental ensemble based in genres of jazz, blues, funk, rock, and other popular styles. We will play music from written charts and by ear. Students will focus on simple improvisation, accumulate basic music theory knowledge, and collaborate with instructor to make their own arrangements of tunes. This is a very democratic class and will have a few performances during the school year. Instructor would love to plan field trips to hear area high school jazz bands (ex. Hot Java Cool Jazz at the Paramount) and potentially to jazz festivals. Let's jam!

Printmaking
This class is for juniors only, and introduces students to the world of making prints. Students will learn how to make prints using linoleum blocks, calligraphy, screen printing, mono printing, as well as additional transfer techniques.

AP® Studio Art
This year-long course is offered to students in their senior year who will be submitting a portfolio of work for AP credit. Students will pick a concentration in Drawing or in 2-D Design and produce a portfolio of work that shows quality, concentration, and breadth as outlined in the AP studio art requirements. Enrollment in AP Studio Art requires submission of the AP Studio Art application.

Ceramics
This course will introduce students to the world of clay. It is a hands-on course that will cover information on materials, tools, terminology, hand-building and throwing techniques, and the cultural history of ceramics and pottery. This class is offered senior year.

Arts and Cultural Identity
Online/Independent Learning. Students will develop a profound understanding of the arts and engage in their own inherent creativity to foster an understanding of the ideas which inspire creativity in artists. Students taking this course will have a free period in their schedule will also receive college credit. $440 fee associated with class. (Financial scholarship assistance available.)
Freshman Collegio

Freshman Collegio is a unique interdisciplinary course in which works of world literature are supported by the study of their historical contexts, while the literature also enlivens the study of the past. Using great works of literature and the lenses of theology and culture, students will examine historical civilizations to develop their own sense of identity, an identity grounded in an understanding of the past. The class will proceed chronologically through six units organized according to the following themes:

- Elements of Culture & Civilization
- Ancient Greece and the Quest for Perfection
- Rome: Power and Consequences
- Order and Chaos in the Medieval Period
- Humanism and Reformation
- Perspectives on the Atlantic World

Sophomore Collegio

Sophomore Collegio explores the global political, economic, social, historical, and religious trends in the modern era. The curriculum of the class is designed to examine these trends and how they shape institutional, intergovernmental and interpersonal relationships. Thus, the course seeks to establish these patterns in their historical contexts and to examine their impact upon cultures around the globe in order to gain an appreciation for the complexity of our world. In addition, the course attempts to leave the students with a sense of empowerment and a “call to action” to seek out a more just world. The class will proceed chronologically through five units organized according to the following themes:

- Changing the Social Order
- Poverty and Wealth
- Economic and Cultural Imperialism
- War and Peace
- Postwar and Globalization

Second semester, students work on the model United Nations project with extensive research, public speaking, and collaboration with others. The work culminates with two day live model UN proceedings.

Junior Collegio

Junior Collegio is an interdisciplinary American Studies course. While surveying the political, cultural, economic, and social history of America from the colonial period to the present, students will read and study literature by American authors. The course seeks to analyze the connections between literature and history, and understand the universal truths they reveal about the human condition. The class will proceed chronologically through five units organized according to the following themes:

- “Race,” Oppression, and Resistance
- Native Americans, Land, and the West
- The Haves and the Have Nots
- America as a Superpower

Additionally, students write a rigorous, historically based research paper. This research paper connects to themes that are grounded in our Jesuit traditions and our mission.
English

English Literature/Composition 9
Freshman English is taught in the interdisciplinary Freshman Collegio course. The curriculum focuses on literature and composition. The English Department seeks to develop in students those skills that will enable them not only to be successful in college and careers, but also to be leaders in the various roles they will have in their lives. To that end, we strive to provide students with the writing skills that will allow them to express complex ideas clearly and the reading skills that will enable them both to comprehend and evaluate the ideas of others. Our readings challenge students to think about settings, people, and questions beyond their own experiences in order to better understand themselves and their world. Furthermore, we work to help our students master these skills not only for practical applications, but also that they may live lives enriched by the love of language. Works read include: The Chosen, The Odyssey, Julius Caesar, The Canterbury Tales, Frankenstein, and Bless Me, Ultima.

English Literature/Composition 10
Sophomore English is taught in the interdisciplinary Sophomore Collegio course. The curriculum focuses on literature and composition. The English Department seeks to develop in students those skills that will enable them not only to be successful in college and careers, but also to be leaders in the various roles they will have in their lives. To that end, we strive to provide students with the writing skills that will allow them to express complex ideas clearly and the reading skills that will enable them both to comprehend and evaluate the ideas of others. Our readings challenge students to think about settings, people, and questions beyond their own experiences in order to better understand themselves and their world. Furthermore, we work to help our students master these skills not only for practical applications, but also that they may live lives enriched by the love of language. Works read include: A Tale of Two Cities, Behind the Beautiful Forevers, Things Fall Apart, All Quiet on the Western Front, Night, and Othello, as well as English Romantic poetry and a variety of short stories and essays.

American Literature/Composition
American Literature is taught in the interdisciplinary Junior Collegio course. The curriculum focuses on literature and composition. The English Department seeks to develop in students those skills that will enable them not only to be successful in college and careers, but also to be leaders in the various roles they will have in their lives. To that end, we strive to provide students with the writing skills that will allow them to express complex ideas clearly and the reading skills that will enable them both to comprehend and evaluate the ideas of others. Our readings challenge students to think about settings, people, and questions beyond their own experiences in order to better understand themselves and their world. Furthermore, we work to help our students master these skills not only for practical applications, but also that they may live lives enriched by the love of language. Works read include: The Scarlet Letter, Beloved, The Great Gatsby, The Things They Carried, poetry of the Harlem Renaissance, and various short stories and essays on the themes of immigration and civil rights.

AP® English Literature
AP English is a college level course that gives students the opportunity to receive advanced placement and/or credit in college. It is designed for students who have demonstrated proficiency in their writing skills and who are motivated to study a variety of literary genres at a more intensive level. The emphasis in writing will be on literary analysis, and students will research and read literary criticism. In the summer before senior year begins, students are required to read at least two novels and one play and begin undertaking literary analysis of those works. The course prepares students to take the AP test in May. A passing score on this test may enable students to receive college credit for their high school work. (Year-long Course)
Contemporary Literature
Contemporary Literature focuses on works by recent American authors that deal with contemporary issues. Students will read and write about a variety of genres and styles of literature and will hopefully be inspired to become lifelong readers. Papers include literary analysis and personal responses to the reading. Students will be asked to master organization, logical development of ideas, and revision of their work. (Semester Course)

Creative Writing
Creative Writing is designed to give students an opportunity to develop their creativity in several modes of expression, particularly poetry and short story. They will study the basic elements of poetry and fiction, learn the ways writers use language to convey meaning, and practice writing their own poems and stories. The course is designed to be a seminar where students will share their work and their ideas with classmates. They will learn to critique their own work as well as the work of others, and they will learn the skill of revision. (Semester Course)

Diverse Voices in America
Throughout American history, minority groups have used literature as one means of expressing the uniqueness of their experience. This one-semester college-level course focuses on the contributions that members of these diverse groups have made to American literature. While these voices have been incorporated into the junior year American literature course, in this class they will be the focus. This course will foster an appreciation for the wide variety of experiences that make up American literature. Students will study what makes those voices unique, as well as what draws them together. Students will read and write about a variety of genres of literature. Papers include literary analysis and personal responses to the reading. Students will be asked to master organization, logical development of ideas, and revision of their work. (Semester Course)

Satire and Comedy
A study of the theories and practice of satire and comedy is the focus of this class. Readings will range from works of the 18th century to contemporary authors. Works by writers such as Jane Austen, Jonathan Swift, Oscar Wilde, Zadie Smith, Maria Semple, and Steve Martin form the core of the curriculum. Students will compare and contrast the works of these authors as each satirically presents his/her perceptions of the world.

Shakespeare
Students will discover why Shakespeare has endured the test of time. They will study some of his plays and poetry, watch contemporary films based on his plays, and attend live performances of his works. Students will be responsible for presenting one of Shakespeare’s sonnets, acting out critical scenes, and writing literary analysis papers about the works we read. (Semester Course)

Writing for College
Writing for College is designed for students who want to work more intensively on their writing skills before they enter college. It covers an entire range of writing skills from sentence structure to logical thought and the development of style. Students will especially study aspects of writing they need to master to ensure success in college. In addition, students have the option of earning a semester of UW credit. (Semester Course)
Health and Exercise Science (HEX)

Health and Exercise
Health and Exercise (HEX) is a holistic approach to health and physical education. The semester course focuses on the fundamentals of biomechanics, anatomy & physiology, the principles of training as well as the opportunity to design and implement a personal conditioning program. Students participate in both classroom and gym activities. Evaluation is based on participation, lab work, quizzes, tests, and a semester project.

Health and Wellness
Sophomore students take one semester of a wellness-based classroom course. Students explore current health issues through class discussion, guest speakers, class activities and projects. Students reflect upon and assess their behaviors as related to their personal health and well-being, so they are capable of making informed choices. Evaluation is based on participation, classroom activities, an individual project, and two comprehensive exams.

Strength & Conditioning
Strength and Conditioning is a class that provides an opportunity for development of strength, conditioning and injury rehabilitation for various sports and fitness related activities. Free weights, exercise machines, various resistance methods, speed and agility drills, flexibility techniques, and cardiovascular activities will be incorporated to promote improvement in the components of fitness. This course will also provide comprehension of movement specific dynamic warm ups, understanding of proper exercise techniques and spotting techniques on all exercises and the optional use of polar heart rate monitors. This class can be taken during both sophomore and/or junior year.

Life Fitness I
Life Fitness is designed to promote exercise and sportsmanship. Students participate in a wide variety of traditional and non-traditional team and individual sports on and off campus. There is an effort to reinforce concepts learned in the freshman Health and Exercise Science course. Students are evaluated on cooperation and participation.

Life Fitness II
Life Fitness is designed to promote exercise and sportsmanship. Students participate in a wide variety of traditional and non-traditional team and individual sports on and off campus. Students are evaluated on cooperation and participation.

Weight Training
Weight training is offered to seniors as a single semester elective.
Mathematics

Intermediate Algebra
The course is intended for students who have had a significant amount of algebra but not enough to move on to the next level. Basic algebraic skills are reviewed and topics include equations and inequalities, linear and quadratic functions, exponents, fractional expressions, and algebraic problem solving. Students are expected to pick up algebra concepts quickly to leave more time for challenging problems.
Prerequisite: Placement by department

Geometry
The course is a thorough survey of Euclidean 2- and 3-dimensional geometry, including congruence, similarity, logical connections, and transformations. Algebra and geometry are linked through an integrated exploration of parallel concepts in analytic geometry. More visual approaches and mathematical and spatial reasoning are the focus rather than formal proof. The instructional methods vary widely, with special emphasis on group activities. Constructions are done using geometry software/apps.
Prerequisites: Intermediate Algebra or placement by department/teacher recommendation

Honors Geometry
The course is a thorough survey of Euclidean 2- and 3-dimensional geometry, including parallel and perpendicular lines, congruence, similarity, logical connections, and transformations. Algebra and geometry are linked through an integrated exploration of parallel concepts in analytic geometry. Rigorous mathematical reasoning is learned through informal and formal proof. In this fast paced course, students learn problem solving techniques as they complete a variety of projects.
Prerequisites: Intermediate Algebra or placement by department/teacher recommendation

Algebra 2
The course begins with a review of topics from Intermediate Algebra, then moves on to quadratic, exponential, logarithmic, and polynomial functions. This course is designed to give students more time with each topic and to deepen their knowledge. The course is intended for students who work hard but need a slower pace.
Prerequisite: Geometry, teacher recommendation

Algebra 2/Trigonometry
The course begins with a review of basic algebra, then moves on to quadratic, polynomial, rational, radical, exponential, and logarithmic functions. Students then explore probability and combinatorics. The year closes with a broad introduction to trigonometry.
Prerequisites: Geometry or placement by department/teacher recommendation

Honors Algebra 2/Trigonometry
The course is designed for students who have had an in-depth algebra course and are ready to move into new material. Topics include a review of linear functions and inequalities, quadratic functions and relations, rational functions, exponential and logarithmic functions, and radical functions. Students explore probability, combinatorics, and trigonometry. Students should know basic and intermediate algebra concepts thoroughly or be independent learners who can pick up anything they missed with minimal teacher instruction.
Prerequisites: Honors Geometry with a B+ or better or placement by department/teacher recommendation
Introduction to Precalculus
The course is designed for those students who need more preparation for high school or college Precalculus. Topics include number properties, functions, sequences and series, problem solving, practical trigonometry, basic probability and statistics.
Prerequisites: Algebra 2, teacher recommendation

Precalculus
The course prepares students for Calculus and college level mathematics. Mathematical situations are analyzed using algebraic, graphic, and numerical methods. Topics include polynomial and rational functions, exponential and logarithmic functions, complex numbers, trigonometry, sequences and series, conic sections, and limits of functions. Prerequisites: Algebra 2/Trigonometry, teacher recommendation

Honors Precalculus
The course is designed for students who wish to thoroughly prepare for Calculus and college-level mathematics. Topics include polynomial and rational functions, exponential and logarithmic functions, complex numbers, trigonometry, sequences and series, and limits of functions. As time allows, students explore additional topics such as vectors and polar and parametric curves. Students who take this challenging course should intend to do high-level mathematics and show in-depth understanding of the material.
Prerequisites: Honors Algebra 2/Trigonometry with a B+ or better or Algebra 2/Trigonometry with an A, teacher recommendation

Calculus
The course is designed for the student who has completed Precalculus, and is interested in getting a solid foundation for college Calculus. The goal is to understand the fundamental concepts of calculus graphically, numerically, analytically, and verbally. In the first part of the course, the elementary functions, as well as exponential, logarithmic, and trigonometric functions are reviewed. Students then are introduced to the concepts of limits and continuity, derivatives, applications of differential calculus to real-world problem areas, antidifferentiation and definite integrals, and their applications.
Prerequisites: Precalculus, teacher recommendation

AP® Calculus AB
The course takes the students through the equivalent of the first semester of a college level calculus sequence. It is designed in accordance to the Advanced Placement curriculum. The course prepares students for the AP Calculus AB exam. Topics include review of some Precalculus concepts, limits and continuity, the derivative and applications, techniques of differentiation, the integral and applications, and elementary differential equations.
Prerequisites: Honors Precalculus with a B+ or better or Precalculus with an A, teacher recommendation

AP® Calculus BC
The course takes the students through the equivalent of the first and second semesters of a college level calculus sequence. It is designed in accordance to the Advanced Placement curriculum. The course prepares students for the AP Calculus BC exam. Topics include limits and continuity, the derivative and applications, techniques of differentiation, the integral and applications, techniques of integration, elementary differential equations, sequences and series, and analysis of parametric, polar, and vector functions. Students should be prepared for a very rapid pace of instruction and a larger homework load than the typical honors course.
Prerequisites: Honors Precalculus with an A- or better, teacher recommendation
Multivariable Calculus
The course is an independent study online course offered through the Jesuit Virtual Learning Academy. Students taking this course will study the fundamental theorems and applications of multivariable calculus. This course will extend the calculus of one-dimension, which is studied in the AP Calculus BC course, to Euclidean spaces of arbitrary dimension. The course will begin with a careful consideration of vectors in $\mathbb{R}^n$. From there, we will consider the theory of partial derivatives and vector fields. Multiple Riemann integrals will then be considered as well as certain of their applications. Time permitting, the course will conclude with a careful look at the important theorems of vector calculus – namely, the theorems of Green, Gauss, and Stokes. Where applicable, concepts will be presented in full generality. In particular, a nontrivial amount of real analysis and point-set topology will be studied to facilitate studying certain of the multivariable calculus concepts. However, it is hoped that this increased sophistication will allow students to see more clearly how multivariable calculus is a beautiful generalization of the single-variable calculus. Moreover, throughout the course, the instructor will attempt to show students where the abstract mathematics can be applied. (e.g., We will examine briefly how the concepts of the course are used by meteorologists to study severe thunderstorm formation.) Students have the option of applying for college credit from Creighton University (approximately $110 fee paid to Creighton University).
Prerequisites: AP Calculus BC, teacher recommendation

AP® Statistics
The course is the equivalent of a semester-long college course in statistics. In it, students will examine and live out the process of being more than a number cruncher; instead, they will learn best practices in examining data, sampling and experimentation, patterns and randomness, and statistical inference. Real-life applications will be emphasized, in psychology and sociology as well as the natural sciences and medicine. This course may be taken alone or in combination with another math course. The course prepares students for the AP Statistics exam.
Prerequisites: Algebra 2/Trigonometry or Precalculus or Honors Precalculus with a B or better, teacher recommendation

Introduction to Computer Science
The course is based upon The Beauty and Joy of Computing computer science curriculum, developed at the University of California, Berkeley. Students are introduced to the study of computer science through the SNAP/BYOB (modified Scratch) programming environment. These are some of the friendliest programming languages ever created. Students will be using graphical blocks and programming that simply involves dragging blocks around, and building bigger blocks out of smaller blocks. We will focus on some of the big ideas of computing: Interactivity, variables and functions, algorithms and data objects, lists, and industry development practices. The class is taught during Window period.
Prerequisites: None

AP® Computer Science A
The course emphasizes object-oriented programming with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction. This course is based on the University of Washington’s CSE142 course. It prepares students to take the AP Computer Science A test in May. Students need access to a computer with JAVA software and libraries for homework outside of class. The class is taught at zero hour, 6:45-7:40, Mondays, Tuesdays, Thursdays, and Fridays.
Prerequisites: Completion of application, departmental approval, and Algebra 2/Trigonometry

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# Seattle Prep Mathematics Sequence

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*With summer work between grades 11 and 12, and testing, some students could possibly be placed from H Algebra 2/Trigonometry and Precalculus into a higher level class than their normal path would indicate.

**Students who have studied Algebra 2/Trigonometry and beyond may take AP Statistics during senior year with teacher recommendation.
Science

Biology
The study of Biology is a study of living things. This freshman course seeks to answer fundamental questions in Biology. Some of these are: What is life? How does life begin and continue? How do living things interact with one another and the environment? How should decisions in science be made? Students will come to their own understanding of these questions and more by becoming active participants in lab experiments and class discussions as well as conducting research, and reflecting on their experiences inside and outside the classroom. Seeking the answers to these questions is an essential component of the course. Emphasis will be placed on the process of learning -- “coming to know.” Students will seek to master the skills needed in order to learn science effectively. These skills are critical reading, note taking, observation, diagramming, microscope usage, decision-making, and the scientific process.

Honors Biology
The topics covered and skills developed in Honors Biology will resemble the Biology course yet it will include an additional level of expectation and synthesis. What will differentiate the Honors program will be the speed at which concepts are presented and the depth of understanding required. Honors students can expect more reading, writing and guided independent studies. Furthermore, Honors Biology includes many advance placement labs that provide a framework for the level of sophistication required. The themes of this course include: Scientific Method/Life, Biochemistry, Cells, Reproduction, Genetics, Evolution, Classification and Ecology. The student experience in each of these themes will emphasize labs, lectures, projects and reflections. Rising sophomores will enroll in this course based on the recommendation of their IPC teacher. Incoming freshmen will be recommended for this course based upon their HSPT scores (all categories are considered) and their math placement.

Chemistry
Chemistry is the usual choice for students in a college preparatory curriculum. Chemistry is a laboratory course that provides the student with the opportunity to acquire knowledge of the atomic model and the ability to use it to predict physical and chemical characteristics of matter. In this course, students use analytical math skills to develop quantitative models of chemical principles. Students in this course should be able to demonstrate an ability to deal with abstract concepts. This course meets the needs of the student who hopes to pursue science studies in the future and is able to apply math skills to problem-solving situations.

Honors Chemistry
Honors Chemistry is a laboratory course designed to meet the needs of students capable of achieving an additional level of complexity and synthesis. Students in this course are prepared to use previously learned skills and information (scientific method, numerical & graphical analysis, properties of matter, etc.) without further instruction, and are able to readily apply mathematical concepts to solve chemistry problems. Concepts covered in the general chemistry course will be investigated at greater depth and at an increased pace. Honors Chemistry students can expect more reading, writing, and independent studies. Students will enroll in this course based on recommendations from their science teachers in freshman and/or sophomore year.

Anatomy & Physiology
Anatomy & Physiology is a lab-based course which focuses on human anatomy and physiology. Students will be introduced to the relationship between structure and function within the body’s 11 basic organ systems. They will also be exposed to particular issues concerning bioethics and biotechnology, and challenged to develop informed opinions as they relate to course material and their own personal experiences. (ELECTIVE: Year-long Course)
Physics
The Physics course explores the nature of basic phenomena such as motion, forces, energy, heat, sound, light and the interactions of the parts of the atom. The course also involves the formulation and use of mathematical relationships that exist within these fundamental areas. Students interested in engineering or pre-medicine studies in college need to take Physics or AP Physics C. (ELECTIVE: Year-long Course)

AP® Physics C
AP Physics C is the equivalent to a semester of college introductory calculus-based Physics normally taken by science majors during their first year of college. It is intended to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of physics. The course is structured in a more or less traditional manner, emphasizing Mechanics (kinematics, Newton’s Laws, work, power, energy and momentum). It is generally expected that students taking an AP class will take the associated AP exam in May. A passing score on the AP Physics: Mechanics Exam may enable students to receive some college credit for their high school work. Students will be recommended for AP Physics by their science teachers. This course is offered pending sufficient enrollment. Prerequisites include outstanding achievement in Biology and Chemistry (General or Honors), and a basic understanding of calculus (differentiation and integration). Prior completion of, or concurrent enrollment in, AP Calculus AB or AP Calculus BC is required to meet this prerequisite. Enrollment in non-AP Calculus is not sufficient. (ELECTIVE: Year-long Course)

AP® Biology
AP Biology is the equivalent of a two-semester college introductory biology course normally taken by science majors during their first year of college. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Primary emphasis will be on developing an understanding of biological concepts such as science as a process, personal experience in scientific inquiry, recognition of unifying themes that integrate the major topics of biology and application of biological knowledge and critical thinking to environmental and social concerns. It is generally expected that students taking an AP class will take the associated AP exam in May. A passing score on this test may enable students to receive college credit for their high school work. Students will be recommended for AP Biology by their science teachers. This course is offered pending sufficient enrollment. Prerequisites include outstanding achievement in Biology and Chemistry (General or Honors). (ELECTIVE: Year-long Course)

AP® Chemistry
AP Chemistry is the equivalent of a two-semester college introductory chemistry course normally taken by science majors during their first year of college. It is intended for students who have successfully completed a year of study in chemistry, and it aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry. The course is structured around six big ideas in chemistry: Structure of Matter, Properties of Matter-Characteristics, States, and Forces of Attraction, Chemical Reactions, Rates of Chemical Reactions, Thermodynamics, and Equilibrium. It is generally expected that students taking an AP class will take the associated AP exam in May. A passing score on this test may enable students to receive some college credit for their high school work. Students will be recommended for AP Chemistry by their science teachers. This course is offered pending sufficient enrollment. Prerequisites include outstanding achievement in Biology and Honors Chemistry. (ELECTIVE: Year-long Course)
AP® Environmental Science

AP Environmental Science is an upper division course designed to further engage students in inquiry-based scientific learning. The course is yearlong and is considered to be the equivalent of a one-semester, introductory college course in environmental science. Students will build on skills that they have already established through Prep’s science curriculum in order to identify and analyze natural and human-made environmental problems, evaluate the risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science offers students the opportunity to correlate social justice themes and concepts to scientific data and research. This interdisciplinary course includes topics from geology, biology, environmental studies, environmental science, chemistry and geography. Students with an interest in the growing social, economic, and ethical impact of our changing environment would be well suited for this class. (ELECTIVE: Year-long Course)
Science Curriculum - Course Flowchart

Grade 9
- Biology
  - Honors Biology
    - Accelerated Chemistry
      - Honors Chemistry

Grade 10
- Chemistry
  - Physics
    - AP Environmental Science
      - AP Biology
        - AP Chemistry

Grade 11
- Anatomy & Physiology
  - Honors Physics
    - AP Environmental Science
      - AP Physics C
        Prerequisite: Prior AP Science
        Concurrent AP Calc

This course sequence will be effective beginning with the Class of 2022.
Note: All students should take a Physics course either Junior or Senior year.
Social Studies

Ancient Civilizations
Ancient Civilizations is taught in the interdisciplinary Freshman Collegio course. The Social Studies program explores the political, economic, social, historical, and religious trends of our world. The freshman history curriculum includes the history of the Hebrew people, Ancient Greece and Rome, the Middle Ages, the Renaissance and the Protestant Reformation, and the Age of Exploration. The curriculum stresses research skills and analysis of information. Student activities develop literacy, communication and critical thinking skills. This includes, but is not limited to, a focus on writing, small group work, large group discussions, reflective writing, seminar discussion, note-taking, reading for analysis, persuasive argumentation, and the use of contemporary technologies to access, analyze, comprehend and communicate information about our world. Ultimately, the course work is designed to allow students to begin to appreciate learning as a life-long activity that includes a community much greater than themselves.

World Civilizations
World Civilizations is taught in the interdisciplinary Sophomore Collegio course. The Social Studies program explores the political, economic, social, historical, and religious trends of our world. The sophomore curriculum covers modern world history, including the Enlightenment, the French Revolution, the Industrial Revolution, the colonization of Africa, World War I, and the Holocaust. The second semester includes an extensive United Nations simulation. The curriculum stresses research skills and analysis of information. Student activities develop literacy, communication and critical thinking skills. This includes, but is not limited to, a focus on writing, small group work, large group discussions, reflective writing, seminar discussion, note-taking, reading for analysis, persuasive argumentation, and the use of contemporary technologies to access, analyze, comprehend and communicate information about our world. Ultimately, the course work is designed to allow students to begin to appreciate learning as a life-long activity that includes a community much greater than themselves.

U.S. History
United States History is taught in the interdisciplinary Junior Collegio course. Thematic units include the history of the United States beginning with Colonial America and ending with the movement for Civil Rights. The curriculum stresses research skills and analysis of information. Student activities develop literacy, communication and critical thinking skills. This includes, but is not limited to, a focus on writing, small group work, large group discussions, reflective writing, seminar discussion, note-taking, reading for analysis, persuasive argumentation, and the use of contemporary technologies to access, analyze, comprehend and communicate information about our world. Ultimately, the course work is designed to allow students to begin to appreciate learning as a life-long activity that includes a community much greater than themselves.

AP® European History
AP European History is a yearlong course covering the history of Western Europe from 1300 to the present. AP Euro is a college level course that prepares students to take the Advanced Placement exam in the spring. Emphasis is placed on critical thinking, research and writing. A passing score on this test may enable a student to receive college credit for his/her high school work. The course is designed for students who are motivated to study history at an intensive level, who are prepared to do extensive reading, and who have demonstrated proficiency in their writing skills. (Year-long Course)
**AP® U.S. Government & Politics**

AP Government and Politics is a college level course that provides students an analytical perspective on government and politics in the United States. Students are prepared to take the Advanced Placement Exam in the May. The course covers the Constitutional underpinnings of the US Government and political culture and participation, including political parties, interest groups, the mass media and elections. The course includes an in-depth study of the executive, legislative and judicial branches of the federal government, public policy, civil rights and civil liberties. Active student participation is encouraged through critical thinking exercises, debate, and simulation activities. Analysis of current news allows students to apply relevant theories and concepts and to develop connections across the curriculum. While there are no formal prerequisites for this course, the counselors, Social Studies Department Chair, and Assistant Principal for Academics may consider placement factors such as G.P.A., other course selections, and past performance in Collegio. (Year-long Course)

**AP® Microeconomics**

AP Microeconomics is one semester of the year-long AP Economics course. It is a college level course that prepares students to take the Advanced Placement Microeconomics exam in the spring. Microeconomics provides an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. While there are no formal prerequisites for this course, the counselors, Social Studies Department Chair, and Assistant Principal for Academics may consider placement factors such as G.P.A., other course selections, and past performance in Math courses. (part of a year-long Course)

**AP® Macroeconomics**

AP Macroeconomics is one semester of the year-long AP Economics course. It is a college level course that prepares students to take the Advanced Placement Macroeconomics exam in the spring. Macroeconomics places particular emphasis on the study of national income and price-level determination, and also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. While there are no formal prerequisites for this course, the counselors, Social Studies Department Chair, and Assistant Principal for Academics may consider placement factors such as G.P.A., other course selections, and past performance in Math courses. (part of a year-long Course)

**Contemporary World Problems**

The objective of this one-semester course is to explore pressing issues in our world today in an objective and comprehensive manner. By applying their learning from previous years to current topics, students situate current world issues in their historical, geographic, political, economic, and cultural contexts. Student involvement is emphasized in this course through a variety of formats including discussion, seminars, simulations, debates and student presentations. Development and utilization of critical reading, thinking, writing and speaking skills are integral to this course. The course aims to prepare students to become the next decision makers and leaders of their communities, the nation, and the world. This one semester course is offered pending sufficient enrollment.

**United States Government**

United States Government is a one-semester course that enables students to understand the American political system. The course covers the foundations of American Federalism, the Constitution of the United States, civil rights and civil liberties, elections, politics, and the executive, legislative and judicial branches of the federal government. Additionally, this course aims to create more informed citizens who understand the rights and responsibilities of active citizenship. Analysis of current events is an important component of this course. Student participation is encouraged through critical thinking exercises, debate, and simulation activities. This one semester course is offered pending sufficient enrollment.
Theology

Foundations of Faith
This is an overview of Catholic Christianity, with topics including God, Faith, Jesus, Church, Sacraments, Identity and Development and St. Ignatius of Loyola (founder of the Jesuits). Students will also explore various forms of prayer and share perspectives on personal faith experiences. (Semester-long)

Foundations of Faith II
9th Grade Collegio also covers the following theological and religious themes and students are awarded a semester’s worth of graded credit in Theology: Scripture, Church History, World Religions, Christian Service.

Scripture
This course is an overview of the Christian Scriptures, which contain both the Hebrew Scriptures (Old Testament) and the New Testament. We will begin with an introduction to the Bible itself: how to use it and how it came into being in the form we now have it. Students will study Scripture from many perspectives: literary, contextual, historical-critical, social and theological. Our emphasis will be contextual, not literal. (Semester-long)

Scripture II
10th Grade Collegio also covers the following theological and religious themes and students are awarded a semester’s worth of graded credit in Theology: Catholic Social Teaching, Global Community, Christian Service.

Junior Theology
“Theology is faith seeking understanding” - St. Anselm

In junior year we delve more deeply, as well as broaden our understanding of what it means to be a Christian – a disciple of Christ – in light of the rich tradition of Catholic Christianity. Some of the essential questions we explore are: Who am I? Who/What is the Ultimate Reality? What does it mean to be a Catholic/Jesuit? What does it mean to be human in a similar manner as Jesus? This course combines the topics of Exploring Self (One’s Identity, Spirituality, Faith and Beliefs, Morals and Values) and Society (Service, Justice, Ethics and the Church) through a variety of theological lens. Christian Service (30 required hours), Reflection Essays and the Self Presentation are at the center of the experience in Junior Theology. (Year-long)

East / West Meditation
This course will explore various Sacred Traditions and their spiritual practices. We will experience how their teachings and meditative practices can support personal and global change and transformation. Half the class will be devoted to practicing different meditation/prayer methods and half to researching the teachings, cultures and consciousness within them and out of which they emerge. Various Christian Contemplative practices, Buddhist (Zen and Mindfulness practices), and Coast Salish Native spirituality, along with Yoga, Tai Chi, nature skills, music, and movement prayer all will be explored. (senior semester elective)
Catholic Ethics & Morality
Students can expect faith-based research and discussion of important contemporary ethical issues within broad social categories such as sexism, racism and ecology to name a few. Half the class will be teacher directed and half will be guided by student interest and research. In addition to what the Catholic Church teaches relative to moral decision-making and ethical principles, students will learn to explore the complexities of these and other contemporary issues and will focus on the following questions: What does it mean to be a good person? How can we hold our actions—as persons, communities and institutions—to high ethical standards? When, how and in what ways do we act ethically on behalf of others and the principles we espouse? (senior semester elective)

Faith in Action
This is a hands-on planning and senior peer ministry course. It will provide leadership opportunities in the areas of liturgy, retreats, and service. (senior semester elective)

Psychology of Human Relating
An overview of human psychology and Catholic Christian Anthropology with regard to the self and relationships with others. Topics include: Communication, Immediate Systems (family and friends), Larger Systems (society, culture, media), Life Choices and Sexuality. (senior semester elective)

World Religions
This course seeks to undertake the important goal of understanding, collaborating and dialoguing with other religious traditions, as expressed in Nostra Aetate (“In our time”), the Vatican Council II document Declaration on the Relation of the Church with non-Christian Religions. By the end of this course the student should come away with a strong understanding of the basic beliefs of six world religions and how they compare and contrast to Catholic Christianity, thus enabling the student to follow the Church’s Declaration with both knowledge and empathy. (senior semester elective)

Senior Seminar
All seniors are required to take a Senior Seminar second semester. This will count as a Theology credit. The seminars are multi-disciplinary, team-taught courses that attempt to challenge the student to apply what they have learned and experienced in their time here at Prep to real world issues and continued spiritual growth. Each seminar focuses on continued individual development towards The Profile of the Graduate at Graduation and challenges them to become men and women for others as they enter the next stage of their lives.

Disease & Social Responsibility
Disease and Social Responsibility is a capstone seminar course designed to empower students to become agents for change. The course employs an interdisciplinary approach, including scientific, theological, socio-historical and ethical methodologies, to understand the proliferation and treatment of infectious diseases in the context of diverse global cultures and economies. Building on students’ broadening experiences of service through high school, they will explore justice work through advocacy for the larger human family.

Economics, Ecology & Ethics
Economics, Ecology and Ethics explores the dynamics of these three complex, fascinating disciplines and their effects on the future of our nation and planet. This seminar will challenge seniors to not only identify the problems surrounding ecological and economic issues, but become a part of the solution. Through interdisciplinary examination (information), ethical formation and spiritual transformation, this will be an integrative experience graduating students who are men and women, for and with planetary others.

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Forgiveness & Reconciliation

Themes in Literature: Forgiveness & Reconciliation will address the issues of forgiveness and reconciliation as students encounter them in their own lives and in the larger world. It will begin by examining the need for self-forgiveness, move to forgiveness of family and friends, and culminate in the study of the role of forgiveness and reconciliation in a number of global issues with an emphasis on social justice.

Literary Exploration of Human Nature

Literary Exploration of Human Nature is a capstone seminar course designed to help students understand the nature of humankind and apply that understanding to their own lives. The course’s interdisciplinary approach engages students in the study of theology (especially scripture), philosophy, and literature as they attempt to answer three key questions: Are human beings inherently good or evil? How much choice do I have in answering that question? What does that mean for me in terms of how I live my life?
World Language

French 1
French 1 is designed for students who have little or no prior experience in learning the language. During this course students are introduced to the French language and the cultures and communities in which it is spoken. During the year, students begin to acquire and develop the language in the four primary skills of reading, writing, speaking and listening. Prerequisite: None

German 1
German 1 is designed for students who have little or no prior background in learning the language. During this course students are introduced to the German language and the cultures and communities in which it is spoken. During the year, students begin to acquire and develop the language in the four primary skills of reading, writing, speaking and listening. Prerequisite: None

Mandarin Chinese 1
Mandarin Chinese 1 is designed for students who have little or no prior background in learning the language. During this course students are introduced to Mandarin Chinese and the cultures and communities in which it is spoken. During the year, students begin to acquire and develop the language in the four primary skills of reading, writing, speaking and listening. Prerequisite: None

Spanish 1
Spanish 1 is designed for students who have little or no prior background in learning the language. During this course students are introduced to the Spanish language and the cultures and communities in which it is spoken. During the year, students begin to acquire and develop the language in the four primary skills of reading, writing, speaking and listening. Prerequisite: None

Foundations of Spanish 1
Foundations of Spanish 1 is designed for students who have little or no prior background in learning the language and whom would be best supported with a smaller class size and additional focus on developing studying and learning strategies. Like Spanish 1, students are introduced to the Spanish language and the cultures and communities in which it is spoken. During the year, students begin to acquire and develop the language in the four primary skills of reading, writing, speaking and listening. Students are placed in Foundations of Spanish 1 with permission from the World Language Chair and Assistant Principal for Academics.

Spanish 1 Honors
Spanish 1 Honors is designed for those students who have completed an in-depth middle school Spanish language program. This course follows the Spanish 1 curriculum, but at an accelerated pace. Prerequisite: Placement by department

French 2
In French 2, students begin with a review of French 1 and then continue to develop their language proficiency. Students improve their communication in the target language through interpretive reading and listening, interpersonal speaking and writing and presentational speaking and writing. Prerequisite: French 1 and placement by department
German 2
In German 2, students begin with a review of German 1 and then continue to develop their language proficiency. Students improve their communication in the target language through interpretive reading and listening, interpersonal speaking and writing and presentational speaking and writing. Prerequisite: German 1 and placement by department

Mandarin Chinese 2
In Mandarin Chinese 2, students begin with a review of Mandarin Chinese 1 and then continue to develop their language proficiency. Students improve their communication in the target language through interpretive reading and listening, interpersonal speaking and writing and presentational speaking and writing. Prerequisite: Mandarin Chinese 1 and placement by department

Spanish 2
In Spanish 2, students begin with a review of Spanish 1 and then continue to develop their language proficiency. Students improve their communication in the target language through interpretive reading and listening, interpersonal speaking and writing and presentational speaking and writing. Prerequisite: Spanish 1 and placement by department

Foundations of Spanish 2
Foundations of Spanish 2 is a continuation from Foundations of Spanish 1. Students continue to develop the studying and learning strategies from Foundations of Spanish 1 as well as build on their ability to communicate in the target language through interpersonal speaking and writing, presentational speaking and writing, and interpretive reading and listening. Prerequisite: Foundations of Spanish 1 and permission from World Language Chair and Assistant Principal for Academics.

Spanish 2 Honors
In Spanish 2 Honors, students begin with a review of Spanish 1 Honors and then continue to develop their language proficiency. Students improve their communication in the target language through interpersonal speaking and writing, presentational speaking and writing, and interpretive reading and listening. Prerequisite: Spanish Honors 1 and/or placement by department

French 3
Students in French 3 increase their overall proficiency with an emphasis on communication in the target language through speaking, listening, reading and writing. This proficiency is developed through presenting on various cultural traditions and customs in the French-speaking world, reading and watching Francophone literature and films and frequent writing by students. During the last 3rd of the school year, discussion leaders are hired to lead small groups of students in conversations concerning current and relevant topics of high interest to the students. Prerequisite: French 2 and teacher recommendation

German 3
Students in German 3 increase their overall proficiency with an emphasis building confidence with interpersonal, oral communication. In addition, students develop their presentational speaking, interpretive reading, and general understanding of German geography and history through cultural presentations, fictional stories and geographical projects respectively. During the last 3rd of the school year, discussion leaders are hired to lead small groups of students in discussions concerning current and relevant topics of high interest to the students. Prerequisite: German 2 and teacher recommendation
Mandarin Chinese 3
Students in Mandarin Chinese 3 further their language acquisition and development in the four primary language skills through the study and use of a range of written and spoken materials. Students demonstrate their progress through oral and written activities including presentations, discussions, story-telling, compositions, and cultural projects. Reading strategies and writing skills are taught throughout the course to help students further develop fluency and accuracy. During the last 3rd of the school year, discussion leaders are hired to lead small groups of students in conversations concerning current and relevant topics of high interest to the students. Prerequisite: Mandarin 2 and teacher recommendation

Spanish 3
Students in Spanish 3 further their language acquisition and development through both a systematic review of previously-presented grammar and an introduction to new elements. Combined with grammar, students participate in written and verbal activities to increase their fluency in Spanish. A video project will allow students to demonstrate all their language skills. During the last 3rd of the school year, discussion leaders are hired to lead small groups of students in conversations concerning current and relevant topics of high interest to the students. This class is not considered to be as rigorous as the UW 103 Spanish class. Prerequisite: Spanish 2 or 2 Honors and teacher recommendation

UW Spanish 103
UW Spanish 103 is the third course of the First-Year Spanish Language Program at the University of Washington. It is designed for those students who have taken Spanish 2, Spanish 2 Honors or their equivalent and are motivated to take a college-level course. This course focuses on the language skills of reading, writing, speaking and listening by refining grammatical knowledge and expanding lexicon/vocabulary. This development will happen in the context of learning about the Spanish-speaking world and important topics within it. During the last 3rd of the school year, discussion leaders are hired to lead small groups of students in conversations concerning current and relevant topics of high interest to the students. Prerequisite: Spanish 2 or 2 Honors and teacher recommendation

French 4
The year-four language course builds on the conversational, compositional, and grammatical competency achieved in year three. This class serves as useful preparation for college placement exams and/or further endeavors toward fluency. The primary purpose is to strengthen students’ confidence in using the language. This is a year-long elective and is scheduled only if there is sufficient enrollment. Prerequisite: French 3 and teacher recommendation

German 4
The year-four language course builds on the conversational, compositional, and grammatical competency achieved in year three. This class serves as useful preparation for college placement exams and/or further endeavors toward fluency. The primary purpose is to strengthen students’ confidence in using the language. This is a year-long elective and is scheduled only if there is sufficient enrollment. Prerequisite: German 3 and teacher recommendation

Mandarin Chinese 4
The year-four language course builds on the conversational, compositional, and grammatical competency achieved in year three. This class serves as useful preparation for college placement exams and/or further endeavors toward fluency. The primary purpose is to strengthen students’ confidence in using the language. This is a year-long elective and is scheduled only if there is sufficient enrollment. Prerequisite: Mandarin Chinese 3 and teacher recommendation

UW Spanish 201
UW Spanish 201 is the first course of the Second-Year Spanish Language Program at the University of Washington. It is designed for those students who have taken Spanish 3, UW Spanish 103 or their equivalent and are motivated to take a
college-level course. This course further develops the language skills of reading, writing, speaking and listening by refining grammatical knowledge and expanding lexicon/vocabulary. This development will happen in the context of learning about the Spanish-speaking world and important topics within it. Finally, this course introduces the concepts of literary analysis. Prerequisite: Spanish 3 or UW Spanish 103 and teacher recommendation.