

# ST. PIUS X - ST. MATTHIAS ACADEMY



*Course Catalog 2020-2021*

## St. Pius X- St. Matthias Academy Course Catalog 2020-2021

This course catalog has been prepared carefully and thoughtfully, as a guide in planning your courses for the next academic year, in preparation for success in college and career. Each course has been designed to help you achieve the Integral Student Outcomes (ISOs), meet the various curricular and Archdiocesan standards for each subject matter, and gain the knowledge and skills that will enable you to excel personally and professionally. Remember that every challenge conquered takes you one step further along the path to a successful future.

By graduation, a PMA Warrior should:

- Pursue academic excellence
- Invest in responsible decision making
- Overcome adversity
- Uphold their faith through service
- Strive to think critically and communicate effectively

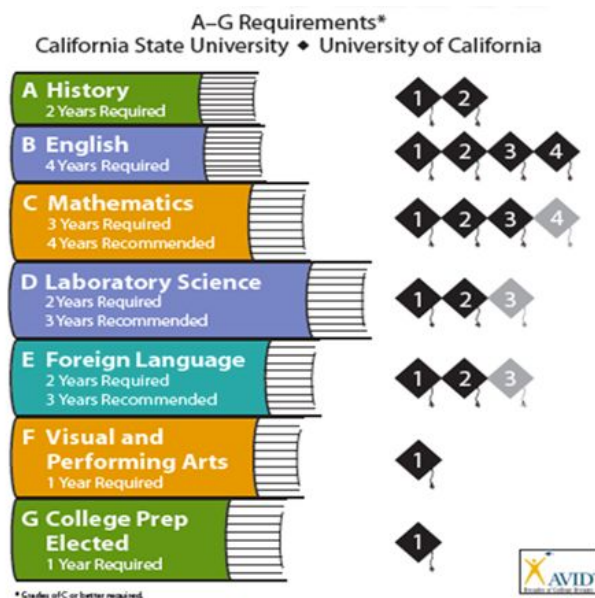
### St. Pius X- St. Matthias Academy Graduation Requirements

To graduate from PMA, a student must:

1. Earn passing grades in each course, every semester for a minimum of 240 semester credits.
2. Take an English, Math, and Religion course each semester.
3. Complete one hundred (100) hours of Christian service and attend the annual retreats.
4. Complete an SAT Preparation Course by the beginning of their senior year and take the SAT or ACT.

*Note: By meeting these PMA requirements with a 'C' or better in each course, you ensure a pathway to college (see UC A-G Requirements below)*

Subject Area	Required Credits
English	40
Theology	40
Mathematics	40
History/Social Science	30
Laboratory Science	20
World Language	20
Visual & Performing Arts	10
Physical Education/Health	10
Electives	30
Total:	240



## Course Catalog by Department

The following course sequences and course descriptions are provided for students and parents as a tool for selecting appropriate classes for the school year. When making selections, students are advised to pay particular attention to course prerequisites, summer assignments, and/or additional fees associated with specific courses. Please note that UC follows specific rules for honors weighting. Courses that have received the UC/CSU Honors Designation are indicated under weighting. Some honors courses will earn only PMA internal honors credit which impacts your PMA GPA, honor roll, & distinctions.

## ENGLISH DEPARTMENT

### English Course Sequence

English Curriculum			
<b>Core College Preparatory Courses</b>			
English 9	English 10	English 11	English 12
<b>Honors &amp; Advanced Placement Courses</b>			
English 9 (H)	English 10 (H)	AP English Language & Composition	AP English Literature & Composition
<b>Honors &amp; College Preparatory Electives</b>			
Academic Decathlon & World Scholar's Cup (H)		Public Speaking & Creative Writing	
Journalism			
Yearbook: Student Publication & Media			

Note: Summer reading is required as preparation for each course. Students in English courses will be required to purchase books before and during the year. The books will be determined by the English department.

### English Course Descriptions

English 9	
<b>UC/CSU Approved:</b> Yes - English ("b") <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 9 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>This literary genre based course introduces freshmen to the writing skills needed for success in high school and beyond. Utilizing the writing process and paying attention to correct grammar usage, mechanics, and spelling, students write paragraphs in all rhetorical modes before moving on to the five (5) paragraph essay and a three (3) to five (5) page research paper; and will include shorter, timed writing assignments. Students focus on vocabulary improvement, including PSAT and SAT preparation, and read from multicultural focus within the classical canon. Listening and speaking strategies will be studied and applied. Students will also learn to navigate research databases, and credible online sources for research and recreational reading.</p>	

<b>English 9 (H)</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 9 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Qualifying HSPT Score & English Diagnostic Assessment	
<p>Like the college prep English 9 course, Honors English 9 is a literary genre based course that introduces freshmen to the writing skills needed for success in high school and beyond, but in a faster and more challenging format. After demonstrating mastery of rhetorical modes in paragraphs, students will begin to write multi-paragraph essays including a three (3) to five (5) page research paper and will include shorter, timed writing assignments. Honors students should demonstrate minimal need for correction of grammar, usage, mechanics, and spelling errors, in order that the emphasis be placed upon acquisition of more advanced skills including improvement of style. Vocabulary instruction will include verbal preparation of students for the PSAT and SAT exams, and the literature selected for the course will reflect a multicultural focus within the classical canon. Listening and speaking strategies will be studied and applied.</p>	

<b>English 10</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of English 9 or English 9 Honors	
<p>This world literature course continues the development of students’ writing skills as they produce longer essays with a primary focus on selecting, organizing, and coherently communicating facts and opinions for reflection, exposition, and analysis; and a five (5) to seven (7) page research paper and will include shorter, timed writing assignments. Corrective instruction in grammar, usage, mechanics, and spelling is given, and vocabulary study prepares students for the verbal portion of the PSAT and SAT. The literature selections include works from various genres, including drama, poetry, short story, and nonfiction. Students will continue to improve their listening and speaking skills.</p>	

<b>English 10 (H)</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in English 9H or A in English 9 & Honors Recommendation	
<p>Analysis of challenging works of world literature and refinement of essay writing skills form the basis for this accelerated English course in addition to writing a five (5) to seven (7) page research paper and will include shorter, timed writing assignments. Students will continue to prepare for the verbal portion of the PSAT and SAT with an emphasis on vocabulary development, and they will continue to improve listening and speaking skills. This course is considered to be preparation for Advanced Placement English Language and Composition.</p>	

<b>English 11</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of English 10 or English 10 Honors	
<p>This course is a survey of American literature, including essays and public documents, dramas, novels, and poetry, much of which correlates with material studied in US history. Previously taught grammar and writing skills will be reviewed as necessary, but the focus of writing instruction in English 11 is on expanding the sophistication of students’ writing rather than on remediation and will include shorter, timed writing assignments. The course includes instruction in literary response and analysis, seven (7) to nine (9) page research with proper documentation of sources, and preparation for the SAT. Students will also continue to develop and improve their vocabulary, listening, and speaking skills.</p>	

<b>AP English Language &amp; Composition</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in English 10H or A in English 10 & AP Recommendation	
<p>AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in English Language &amp; Composition. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP English Language &amp; Composition Exam in May. AP Exam Fee charged.</p>	

<b>English 12</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of English 11 or English 11 Honors	
<p>This course is a survey of major works of British literature from Anglo-Saxon times to the present. Student writing, primarily persuasive and analytical, should demonstrate mastery of skills learned in the previous three years and will include shorter, timed assignments of exposition and analysis as well as longer essays, and a ten (10) page research project with ten (10) minute presentation to continue focusing on expanding the sophistication of presentation to utilize philosophical arguments and rhetorical devices. All levels of oral language skills are regularly applied in class presentations, and vocabulary study continues. The ultimate goal of English 12 is to prepare students for success in college reading and writing.</p>	

<b>AP English Literature &amp; Composition</b>	
<b>UC/CSU Approved:</b> Yes - English (“b”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher AP English Language or A in English 11 & AP Recommendation	
<p>AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in English Language &amp; Composition. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP English Literature &amp; Composition Exam in May. AP Exam Fee charged.</p>	

<b>Academic Decathlon &amp; World Scholars Cup</b>	
<b>UC/CSU Approved:</b> Yes - College-preparatory elective (“g”) <b>NCAA Approved:</b> Pending - Additional Core <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 10-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>The Academic Decathlon course will provide students with a rigorous and diverse learning experience that spans several academic disciplines. Students will be asked to deeply research and study topics in at least six academic areas: language, music/art, economics, science, social science and mathematics. They will also study and participate in activities in the fields of speech, essay writing and interviewing. Students will develop research skills, critical thinking and inference abilities and, as a team, the class will compete in the Southern California Private Schools Academic Decathlon following the format and topic directives of the competition from USAD.</p>	

<b>Journalism</b>	
<b>UC/CSU Approved:</b> Yes - College-preparatory elective (“g”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 09-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>This course features instruction in the technical and creative skills necessary to produce the school’s yearbook and newspaper, <i>The Pride</i>. Students learn to coordinate writing, photography, and layout design, and to use publisher-supplied software. Both publications are entirely digital and created on the publisher’s websites. The course also covers the fundamentals of journalism and provides excellent experience for anyone interested in a career in that field or in public relations. Editorial positions are open to students with dedication and organizational skills. Participation on either publication’s staff is highly desirable on college applications.</p>	

<b>Public Speaking &amp; Creative Writing</b>	
<b>UC/CSU Approved:</b> Yes - College-preparatory elective (“g”) <b>NCAA Approved:</b> Yes - Core English <b>Weighted:</b> No	<b>Grade(s):</b> 11-12 <b>Duration:</b> Public Speaking - Semester Creative Writing - Semester
<b>Prerequisite(s):</b> None	
<p>Public Speaking prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of an audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery.</p> <p>In Creative Writing students will discover who they are as creative writers. They will accomplish this through exploration of genres, techniques, and skills and they will gain increased knowledge of the structural conventions for different genres and how to write to a variety of audiences. Students learn how to develop themes using literary devices such as plot, word choice, setting, and other literary devices.</p>	

<b>Yearbook: Student Publication &amp; Media</b>	
<b>UC/CSU Approved:</b> Yes - College-preparatory elective (“g”) <b>NCAA Approved:</b> Pending - Additional Core <b>Weighted:</b> No	<b>Grade(s):</b> 09-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
Yearbook: Student Publication & Media is a two-semester journalistic course and allows students to participate in the production of the school yearbook. Students in this course are required to learn layout design; write and fit copy, captions, and headlines; learn basic photography skills; sell advertisements and solicit sponsorships. Individual responsibility is essential toward completion of assignments for deadlines. Students will also have the opportunity to accept leadership positions and develop new skills as they build the yearbook.	

## **MATHEMATICS DEPARTMENT**

### **Mathematics Course Sequence**

<b>Mathematics Curriculum</b>			
<b>Core College Preparatory Courses</b>			
Algebra I	Geometry	Algebra II	Advanced Algebra w/ Financial Applications Precalculus
<b>Honors &amp; Advanced Placement Courses</b>			
Algebra I (H)	Geometry (H)	Algebra II (H)	AP Calculus AB AP Calculus BC AP Statistics
<b>College Preparatory Electives</b>			
Business & Marketing			

### **Mathematics Course Descriptions**

<b>Algebra I</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> No	<b>Grade(s):</b> 9 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None; Math Lab may be required based on MDTP Diagnostic Assessment performance	
Algebra I is a college preparatory math course that focuses instructional time on four critical areas: (1) deepening and extending understanding of linear and exponential relationships; (2) contrasting linear and exponential relationships with each other and engaging in methods for analyzing, solving, and using quadratic functions; (3) extending the laws of exponents to square and cube roots; (4) applying linear models to data that exhibit a linear trend; and (5) studying quadratics.	

<b>Algebra I (H)</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 9 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing score on MDTP Diagnostic Assessment	
Algebra I is a college preparatory math course that focuses instructional time on four critical areas: (1) deepening and extending understanding of linear and exponential relationships; (2) contrasting linear and exponential relationships with each other and engaging in methods for analyzing, solving, and using quadratic functions; (3) extending the laws of exponents to square and cube roots; (4) applying linear models to data that exhibit a linear trend; and (5) studying quadratics.	

<b>Geometry</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> No	<b>Grade(s):</b> 9 - 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of Algebra I	
Geometry is a college preparatory math course in which students explore more complex geometric situations and deepen their explanations of geometric relationships, presenting and hearing formal mathematical arguments. In Geometry, instructional time focuses on six critical areas: (1) establishing criteria for congruence of triangles based on rigid motions; (2) establishing criteria for similarity of triangles based on dilations and proportional reasoning; (3) informally developing explanations of circumference, area, and volume formulas; (4) applying the Pythagorean Theorem to the coordinate plane; (5) proving basic geometric theorems; and (6) extending work with probability.	

<b>Geometry (H)</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 9 - 11 <b>Duration:</b>
<b>Prerequisite(s):</b> A in Algebra I or B or higher grade in Algebra I Honors or passing score on MDTP Diagnostic Assessment	
Geometry Honors is a college preparatory math course in which students explore more complex geometric situations and deepen their explanations of geometric relationships, presenting and hearing formal mathematical arguments. In Geometry Honors, instructional time focuses on six critical areas: (1) establishing criteria for congruence of triangles based on rigid motions; (2) establishing criteria for similarity of triangles based on dilations and proportional reasoning; (3) informally developing explanations of circumference, area, and volume formulas; (4) applying the Pythagorean Theorem to the coordinate plane; (5) proving basic geometric theorems; and (6) extending work with probability.	



<b>Algebra II</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> No	<b>Grade(s):</b> 10 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Algebra 1	
<p>Algebra II is a college preparatory math course that builds upon the work with linear, quadratic, and exponential functions in Algebra I. In Algebra II students extend their repertoire of functions to include polynomial, rational, radical, and logarithmic functions. Students work closely with the expressions that define the functions, competently manipulate algebraic expressions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. In Algebra, instructional time focuses on four critical areas: (1) relating arithmetic of polynomial and rational expressions to arithmetic of polynomial and rational numbers; (2) working with polynomial, rational, and radical equations and functions; (3) synthesizing and generalizing functions and extend understanding of exponential functions to logarithmic functions; and (4) relating data display and summary statistics to probability and explore a variety of data collection methods.</p>	

<b>Algebra II (H)</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 10-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in Geometry (H) and B or higher in Algebra I (H) or A in Geometry and A in Algebra I or passing score on MDTP Diagnostic Assessment	
<p>Algebra II Honors is a college preparatory math course that builds upon the work with linear, quadratic, and exponential functions in Algebra I. In Algebra II Honors students extend their repertoire of functions to include polynomial, rational, radical, and logarithmic functions. Students work closely with the expressions that define the functions, competently manipulate algebraic expressions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. In Algebra II Honors, instructional time focuses on four critical areas: (1) relating arithmetic of polynomial and rational expressions to arithmetic of polynomial and rational numbers; (2) working with polynomial, rational, and radical equations and functions; (3) synthesizing and generalizing functions and extend understanding of exponential functions to logarithmic functions; and (4) relating data display and summary statistics to probability and explore a variety of data collection methods.</p>	

<b>Advanced Algebra with Financial Applications</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> No	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Algebra II or Algebra II Honors	
<p>Advanced Algebra with Financial Applications is a college preparatory mathematical modeling course that is algebra-based, applications-oriented, and technology-dependent. The course addresses college preparatory mathematics topics from Advanced Algebra, Statistics, Probability, Precalculus, and Calculus under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations.</p>	

<b>Precalculus</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> No	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Algebra II or Algebra II Honors	
<p>Precalculus is a college preparatory math course that weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. This course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. In Precalculus students will be introduced to the various types of functions: polynomial, rational, exponential, logarithmic and trigonometric (these functions form the basis of calculus). This course will also cover linear systems and matrices, analytical geometry, sequences, series and probability, and finally limits which will provide students with an introduction to calculus.</p>	

<b>AP Calculus AB</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in Precalculus	
<p>AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Units of study include: limits and continuity; differentiation: definitions and fundamentals properties; differentiation: composite, implicit, and inverse function; contextual applications of differentiation; analytical applications of differentiation; integration and accumulation of change; differential equations; and applications of integration.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Calculus AB. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Calculus AB Exam in May. AP Exam Fee charged.</p>	

<b>AP Calculus BC</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in AP Calculus AB	
<p>AP Calculus BC is an introductory college-level calculus course that explores the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Units of study include: limits and continuity; differentiation: definitions and fundamentals properties; differentiation: composite, implicit, and inverse function; contextual applications of differentiation; analytical applications of differentiation; integration and accumulation of change; differential equations; applications of integration; and parametric equations, polar coordinates, and vector valued functions; and infinite sequences and series.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Calculus BC. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Calculus BC Exam in May. AP Exam Fee charged.</p>	

<b>AP Statistics</b>	
<b>UC/CSU Approved:</b> Yes - Mathematics (“c”) <b>NCAA Approved:</b> Yes - Core Mathematics <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> A in Algebra II/B or higher in Algebra II Honors	
<p>AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Units of study include: exploring one-variable data; exploring two-variable data; collecting data; probability, random variables, and probability distributions; sampling distributions; inference for categorical data: proportions; inference for quantitative data: means; inference for categorical data: chi-square; and inference for quantitative data: slopes.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Statistics. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Statistics Exam in May. AP Exam Fee charged.</p>	

<b>Business &amp; Marketing</b>	
<b>UC/CSU Approved:</b> Yes - College Preparatory Elective (“g”) <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Business and Marketing is a college preparatory elective that provides a basic introduction to the scope and importance of marketing in the global economy. This course is based upon Marketing Education Framework which include business, management, and entrepreneurship; communication and interpersonal skills; economics and professional development foundations. Emphasis will be placed on both oral and written communications, mathematics applications, problem solving and critical thinking skills, as they relate to finance, marketing-information management, pricing, product/ service management, and selling. Computer-Technology applications as well as real and/or simulated occupational experiences and projects in the business and marketing functions will be some of the instructional strategies.</p>	

## **SCIENCE DEPARTMENT**

### **Science Course Sequence**

<b>Science Curriculum</b>			
<b>California State Requirement</b>			
Physical Education/Health			
<b>Core College Preparatory Courses</b>			
Biology	Chemistry	Physics	Forensics Physiology
<b>Honors &amp; Advanced Placement Courses</b>			
Biology (H)	Chemistry (H)		AP Biology
<b>College Preparatory Electives</b>			
Marine Biology			

## Science Course Descriptions

Physical Education	
<b>UC/CSU Approved:</b> No; CA State Requirement <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 9 & Transfers <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Physical Education is a requirement for all freshmen and transfer students (who have not fulfilled the requirement prior to enrollment at PMA). The purpose of this course is to heighten students' level of physical fitness through a variety of exercise activities. The activities aim to increase students' cardiovascular capacity, flexibility, and strength. By the end of this course, students will be able to design a personal fitness program so that they can maintain their physical health. The class acquaints students with various physical activities including body mechanics, physical fitness, aerobics, soccer, softball, volleyball, basketball, and weight training. Students will acquire basic skills and knowledge of the rules pertaining to the various sports.</p>	

Biology	
<b>UC/CSU Approved:</b> Yes - Laboratory Science ("d") <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> No	<b>Grade(s):</b> 9 - 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Biology is a college preparatory science course devoted to the study of living things and their processes. Throughout this course, students will explore: chemistry of life, cells &amp; cellular processes, genetics &amp; information transfer, evolution, organism form &amp; function, and ecology. These concepts are explored through textbook readings, online assignments, and hands-on laboratory activities. In Biology emphasis is placed on the development of scientific inquiry and investigation skills, data analysis, and communication of information using lab notebooks, lab reports, and multimedia presentations. Note: Course includes a science lab fee.</p>	

Biology (H)	
<b>UC/CSU Approved:</b> Yes - Laboratory Science ("d") <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> PMA Honors Designation	<b>Grade(s):</b> 9 - 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> A in English 9 and A or higher in Math & Honors Recommendation	
<p>Honors Biology is a college preparatory science course devoted to the in-depth study of living things and their processes. Throughout this course, students will explore: chemistry of life, cells &amp; cellular processes, genetics &amp; information transfer, evolution, organism form &amp; function, and ecology. These concepts are explored through textbook readings, online assignments, and hands-on laboratory activities. In Honors Biology emphasis is placed on the development of scientific inquiry and investigation skills, data analysis, and communication of information using lab notebooks, lab reports, and multimedia presentations. Note: Course includes a science lab fee.</p>	

<b>Chemistry</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> None	<b>Grade(s):</b> 10 - 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of Biology	
<p>Chemistry is a college preparatory science course that focuses on the study of matter and the changes it undergoes, both quantitatively and qualitatively. This college preparatory course includes the study of atomic theory and structure, periodic properties, mole relationships, ionic and covalent bonding, chemical reactions of everyday life, behavior of gases, law of conservation, nuclear reactions, energy, chemical change, chemical equilibrium, acids and bases, and oxidation - reduction reactions. These concepts are explored through textbook readings, online assignments, and hands-on laboratory activities. In Chemistry, students continue to engage in the practices of science and engineering practiced in Biology with emphasis placed on continued development of scientific inquiry and investigation skills, data analysis, and communication of information via lab notebooks, lab reports, and media presentations. Note: Course includes a science lab fee.</p>	

<b>Chemistry (H)</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 10 - 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in Biology Honors or A in Biology and B or higher in Geometry & Honors Recommendation	
<p>Honors Chemistry is a college preparatory science course that focuses on the study of matter and the changes it undergoes, both quantitatively and qualitatively. This course prepares students for the majors and coursework that they will encounter in college programs related to medicine, pharmacology, molecular biology, chemical engineering, chemical industry, forensics and environmental science. This course is a rigorous introduction to modern chemical principles for those with a strong math background planning to continue in science fields. Topics include: atomic theory and structure, periodic properties, mole relationships, ionic and covalent bonding, chemical reactions of everyday life, behavior of gases, law of conservation, nuclear reactions, energy, chemical change, chemical equilibrium, acids and bases, and oxidation - reduction reactions. In Honors Chemistry, students continue to engage in the practices of science and engineering practiced in Biology with emphasis placed on continued development of scientific inquiry and investigation skills (emphasis upon understanding why and how), data analysis, and communication of information via lab notebooks, lab reports, and media presentations. This course incorporates more chemical theory and mathematical analysis than the General Chemistry course. Note: Course includes a science lab fee.</p>	

<b>Physics</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of Biology & Chemistry; <i>Concurrent enrollment in Precalculus or AP Calculus recommended</i>	
<p>Physics is a college preparatory science course that focuses on the study of fundamental physics concepts, such as measurement, calculation, and graphing in kinematics and dynamics, propagation and conservation of energy and momentum, gravitation and orbital mechanics, heat and thermodynamics, waves, optics, and electromagnetic phenomena. Emphasis is placed on the utilization of mathematical, analytical, data acquisition, graphical, and presentation skills. Concepts and skills are reinforced by a strong emphasis on project based learning and hands-on laboratory activities. The course is designed to prepare the student for an introductory level college Physics course. Note: Course includes a science lab fee.</p>	

<b>AP Biology</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in both Biology H & Chemistry H or A in Biology & Chemistry & AP Recommendation	
<p>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: chemistry of life; cell structure and function; cellular energetics; cell communication and cell cycle; heredity; gene expression and regulation; natural selection; and ecology. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. The course is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Biology. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Biology Exam in May. AP Exam Fee charged.</p>	

<b>Physiology</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of Biology & Chemistry	
<p>Physiology is a college preparatory science course that focuses on anatomical terminology, anatomical identification, and physiological processes of the human body systems. This course provides a comprehensive study of the anatomy and physiology of the human body. Upon completion, students should be able to demonstrate an in-depth understanding of the principles of anatomy and physiology and their interrelationships. Students examine the interactions of the body systems as they explore the concepts of organization, communication, movement, maintenance, protection, and homeostasis. Students engage in laboratory activities to investigate the structure and function of various components of the human body. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations. Students enrolled in this course should be aware that this course requires an extensive amount of reading and memorization. Note: Course includes a science lab fee and organ and animal dissections.</p>	

<b>Forensics</b>	
<b>UC/CSU Approved:</b> Yes - Laboratory Science (“d”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Biology & Chemistry	
<p>Forensic Science is a college preparatory science course that revolves around the application of scientific techniques and technology to the investigation of a crime, and the presentation of evidence in a court of law. Forensic science is a truly holistic science, in that it combines many fields (i.e. Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology), with the crucial addition of legal standards and rules of evidence. Topics discussed include observation skills, crime-scene investigation and evidence collection, identification and analysis of trace evidence (e.g. fibers, hair, blood, pollen, etc.), fingerprint analysis, DNA analysis, drug identification and toxicology, document analysis, entomology, ballistics, and identification of fresh and decomposed human remains. This course is designed to provide students with a theoretical understanding of the investigatory process as well as fundamental investigation techniques such as crime scene analysis, collection, preservation, and testing of evidence, modus operandi, use of technology, types of evidence, and the science of criminalistics. Throughout each unit, students participate in hands-on investigations that follow the procedures used in the current criminal study. Note: Course includes a science lab fee.</p>	

<b>Marine Biology</b>	
<b>UC/CSU Approved:</b> Yes - College Preparatory Elective (“g”) <b>NCAA Approved:</b> Yes - Core Natural/Physical Science <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Biology & Chemistry	
<p>Marine Biology is an advanced college preparatory science course that examines the biology of oceanic organisms and the abiotic (e.g., salinity, nutrients, water currents and tides) and biotic factors (e.g., competition, predation, symbiosis) that influence their distribution and abundance. Topics surveyed during this semester-long course include: the physical structure and chemistry of the ocean, marine ecology, the diversity of ocean life, and the scope and impact of human interactions with the oceans. This course is recommended for students interested in pursuing careers in environmental science, marine biology, and ecology. Note: Course includes a science lab fee.</p>	

## **SOCIAL SCIENCE DEPARTMENT**

### **Social Science Course Sequence**

<b>Social Science Curriculum</b>			
<b>Core College Preparatory Courses</b>			
	World History	United States History	Government/Economics
<b>Honors &amp; Advanced Placement Courses</b>			
	AP European	AP United States History	AP Government and Politics/Economics
<b>Advanced Placement &amp; College Preparatory Electives</b>			
		AP Psychology Comparative Religions	

### **Social Science Course Descriptions**

<b>World History</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> No	<b>Grade(s):</b> 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>World History is a college preparatory history course designed as a survey of Western Civilization from the Renaissance and Reformation to the end of the 21st century. Emphasis is placed on the value of history as a means of understanding the world today and on developing an appreciation for the various cultures studied throughout the course. Social science skills such as map reading, note taking and analysis of primary and secondary sources will be reviewed and strengthened throughout the during of this course.</p>	

<b>AP European History</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher English 9 Honors or A in English 9 & AP Recommendation	
<p>AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in European History. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP European History Exam in May. AP Exam Fee charged.</p>	

<b>United States History</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> No	<b>Grade(s):</b> 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Completion of World History or AP European History	
<p>U.S. History is a college preparatory history course focused on developing students’ understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.</p>	

<b>AP United States History</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in AP European History or A in World History & AP Recommendation	
<p>AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in US History. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP US History Exam in May. AP Exam Fee charged.</p>	



<b>US Government</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> No	<b>Grade(s):</b> 12 <b>Duration:</b> Semester
<b>Prerequisite(s):</b> Completion of US History	
<p>U.S. Government is a one-semester college preparatory civics/government course required by all high schools in the State of California. Understanding the U.S. Government is an important part of being a well-informed citizen. This course focuses on the major concepts of our democracy; the Constitution, the Bill of Rights and the three branches of U.S. Government. In U.S. Government students also cover current events and issues related to the study of U.S. Government, with important current issues in Political Science.</p>	

<b>Economics</b>	
<b>UC/CSU Approved:</b> Yes - College Preparatory Elective (“g”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> No	<b>Grade(s):</b> 12 <b>Duration:</b> Semester
<b>Prerequisite(s):</b> Completion of Government	
<p>Economics is a one-semester college preparatory course that meets the state requirement for economic literacy. In Economics, students will study the American economy in action and the principles on which it is based. Study will also include issues of economic justice and consumer choices. Students will learn practical skills such as balancing a checkbook, filling out state and federal tax returns, making good economic choices, and budgeting.</p>	

<b>AP US Government and Politics</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 12 <b>Duration:</b> Semester
<b>Prerequisite(s):</b> B or higher AP US or A in US History & AP Recommendation	
<p>AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Government &amp; Politics. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP US Government &amp; Politics Exam in May. AP Exam Fee charged.</p>	

<b>AP Psychology</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> PMA & UC Honors Designation	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> B or higher in Biology Honors or A in Biology and B or higher in English 10 Honors or A in English 10 & AP Recommendation	
<p>AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Psychology. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Psychology Exam in May. AP Exam Fee charged.</p>	

<b>Comparative Religion</b>	
<b>UC/CSU Approved:</b> Yes - History/Social Science (“a”) <b>NCAA Approved:</b> Yes - Core Social Science <b>Weighted:</b> No	<b>Grade(s):</b> 11-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Comparative Religion is a college preparatory social science course that offers a detailed survey of the world’s major religious traditions, as well as an introduction to some of the world’s indigenous life-ways and contemporary religious movements - through both secondary reference texts and primary scriptural analysis. Beginning with an analysis of the nature of religion in general (and in recognizing the admitted difficulties in defining the phenomenon) this course will introduce students to the way in which socio-cultural identity has been intrinsically linked to religious identity over the course of human history.</p>	

## **THEOLOGY DEPARTMENT**

### **Theology Course Sequence**

<b>Theology Curriculum</b>			
<b>Core Academic Courses (Meets USCCB Frameworks for Catholic High Schools)</b>			
Theology 9: Christ in Scripture & Christology	Theology 10: Paschal Mystery & Christ’s Mission in the Church	Theology 11: Sacraments & Christian Morality	Theology 12: Church History & Church Vocations

## Theology Course Descriptions

Theology 9	
<b>UC/CSU Approved:</b> No; Meets USCCB Requirement <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 9 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p><b>First semester: Christ in Scripture</b> Students will obtain a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.</p> <p><b>Second semester: Christology</b> Students are introduced to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.</p>	
Theology 10	
<b>UC/CSU Approved:</b> No; Meets USCCB Requirement <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p><b>First semester: Paschal Mystery</b> This course will help students understand all that God has done for us through his Son, Jesus Christ. Students will 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. They will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.</p> <p><b>Second semester: Christ's Mission in the Church</b> This course will help students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about the events in the life of the Church but about the sacred nature of the Church.</p>	
Theology 11	
<b>UC/CSU Approved:</b> No; Meets USCCB Requirement <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p><b>First semester: Sacraments</b> The purpose of the Sacraments course is to lead students toward a deeper understanding of the liturgy and of the Sacraments, instituted by Christ and given to us through the Church. Throughout the course, the importance of the Sacraments as graced encounters with the Risen Christ, and a strengthening of our relationship with Him, is emphasized.</p> <p><b>Second semester: Christian Morality</b> The purpose of the Christian Morality course is to lead students toward a deeper understanding of God's Law revealed to us through reason and Revelation. The content of the course is informed by the moral law in the Old Testament, by Christ's moral teaching in the Gospels, and by the moral teaching of the Church as it applies to what God has revealed to our contemporary moral questions.</p>	

<b>Theology 12</b>	
<b>UC/CSU Approved:</b> No; Meets USCCB Requirement <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p><b>First semester: Church History</b> The purpose of the Church History course is to supply students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him throughout history by the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.</p> <p><b>Second semester: Christian Vocations</b> This course will help students to understand the vocations of life: how Christ calls us to live. They will learn how all vocations are similar and how they differ, including married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others and the value of considering a vocation in service to the Christian community.</p>	

## **VISUAL & PERFORMING ARTS DEPARTMENT**

### **Visual & Performing Arts Course Sequence**

<b>Visual &amp; Performing Arts</b>			
<b>College Preparatory Visual Arts Courses</b>			
Art I	Art II	Art III	Ceramics
<b>College Preparatory Theater Courses</b>			
Drama	Drama II		
<b>College Preparatory Elective Courses</b>			
		Digital Media Production	
<b>Advanced Placement &amp; College Preparatory Electives</b>			
		AP Art & Design	

### **Visual & Performing Arts Course Descriptions**

<b>Art I</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("F") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 9-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Art I is a college preparatory introductory visual art class for students who want to develop their artistic skills and who would be interested in taking more advanced classes in the future. The class covers the historical, cultural, and aesthetic aspects of art along with studio techniques. Art 1 focuses on 2-d studio mediums such as graphite, acrylic painting, pastels, and watercolors. Note: Course requires art fee.</p>	

<b>Art II</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("I") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 10-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Successful completion of Art I or instructor approval	
<p>Art II is a college preparatory visual arts class designed to further develop the concepts and skills learned in art one and is available for second-level art students. Students will use the skills and techniques learned previously to enhance artwork in two and three-dimensional design using a variety of different media. The two-dimensional media includes graphite, charcoal, pastels, colored pencil, acrylic, and watercolor. Three-dimensional work explored in this class includes paper mache, ceramics, and non-traditional materials. The student will develop an ability to make effective choices concerning media, techniques, subject matter, methods of interpretation, and compositional design. Note: Course requires art fee and is a prerequisite for ART III.</p>	

<b>Art III</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("I") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Successful completion of C or higher in Art II and signature of the instructor	
<p>Art III is a college preparatory visual arts class in which students study modern and postmodern art theories and create works that make a personal statement. Note: Course requires art fee.</p>	

<b>AP Art &amp; Design: Drawing</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("I") <b>NCAA Approved:</b> No <b>Weighted:</b> Yes	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Grade of B or higher in Art II or Art III	
<p>AP Drawing is an introductory college-level drawing course. Students refine and apply skills and ideas they develop throughout the course to produce drawings. The AP Art and Design Portfolio Exam contains two sections. The Selected Works section requires students to demonstrate skillful synthesis of materials, processes, and ideas. The Sustained Investigation section requires students to conduct a sustained investigation based on questions, through practice, experimentation, and revision. Both sections of the portfolios require students to articulate information about their work. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to produce summer work and explore ideas for a sustained investigation. Students will submit their portfolio for the AP Art &amp; Design Exam in May. AP Exam Fee charged.</p>	

<b>Introduction to Ceramics</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("I") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade of Art I	
<p>Ceramics is an introductory visual arts course in which students will examine the unique qualities of various media in the pursuit of creating three-dimensional works of art in clay. Good design, common sense, technical awareness, and the imagination will contribute to the success of each project. The aim is to nurture creativity and to gain an appreciation for good form and functional design in art. Intro to Ceramics will concentrate on the functions, form, and cultural contributions of pottery through basic hand construction, methods of pinching, coiling, and slab techniques. Class assignments will be created using hand building construction techniques along with painting and glazing methods. Note: Course requires art fee.</p>	

<b>Drama</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("F") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 9-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
Drama is a college preparatory introductory theater course that includes theatre history, pantomime, improvisation, basic acting techniques, drama analysis, and elements of speech. Students will learn the fundamental skills of public speaking and performing. Students will also learn the technical aspects of theatre and attend a live play.	

<b>Drama II</b>	
<b>UC/CSU Approved:</b> Yes - VAPA ("F") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 10-12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Drama I	
Drama II is a college preparatory theater course that builds upon the skills and knowledge learned in Drama. During the first semester students will learn and master the technical aspects of theater production such as safe operation of theater equipment, stage design, set dressing, story-boarding, costume design, lighting design, and prop building. For the second semester the course will focus on the creation and performance of an original theatrical piece.	

<b>Digital Media &amp; Production (Broadcast)</b>	
<b>UC/CSU Approved:</b> Yes - College Preparatory Elective ("g") <b>NCAA Approved:</b> No <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
Digital Media & Production (Broadcasting) is a college preparatory elective course centered around the creation of digital media content. In Digital Media & Production students will learn about the uses of technology in digital video production, which includes web-site productions, development and maintenance of computers, advance use of Final Cut Pro Suite, the use of lights, cameras, microphones and other technical equipment used in the production of news broadcasts. In Digital Media & Production there is also an emphasis on journalism, professionalism, and project management.	

## **WORLD LANGUAGE DEPARTMENT**

### **World Language Course Sequence**

<b>World Language Curriculum</b>			
<b>College Preparatory Courses</b>			
Spanish I	Spanish II	Spanish III	
<b>Honors &amp; Advanced Placement Courses</b>			
		Spanish III (H)	AP Spanish Language Culture AP Spanish Literature & Culture

## World Language Course Descriptions

Spanish I	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> No	<b>Grade(s):</b> 9 - 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> None	
<p>Spanish I is a college preparatory language course that is an introduction to the Spanish language and culture that gives the student a basic command of the skills in reading, writing, and speaking Spanish. In reading, students learn to pronounce words correctly and build their reading comprehension. In writing, students master the correct way to spell and accent words in Spanish. In speaking, students are introduced to the correct pronunciation, intonation, stress and fluency. In listening, students will have the opportunity to hear people speak Spanish. An introduction to culture is also included.</p>	
Spanish II	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> No	<b>Grade(s):</b> 9 - 10 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Spanish I or placement based on Diagnostic Assessment	
<p>Spanish II is a college preparatory language course that reinforces basic skills introduced in Spanish I and completes a two-year sequence. Spanish II continues with formal grammar and a more extensive look at Spanish-speaking cultures.</p>	
Spanish III	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> No	<b>Grade(s):</b> 10 - 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Spanish II	
<p>Spanish III is a college preparatory language course that continues the development of Spanish II skills with an emphasis in literature and acquiring a more complex knowledge of grammar, culture and vocabulary.</p> <p>Note: Some institutions require the completion of a high school foreign language (other than English) course through the third year of instruction</p>	
Spanish III (H)	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> PMA Honors Designation; UC Honors Designation (Pending)	<b>Grade(s):</b> 10 - 11 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Spanish II & Honors Recommendation	
<p>Spanish 3 Honors is a college preparatory language course - taught exclusively in Spanish - that requires students to improve their proficiency across the three modes of communication. Students will fortify the interpersonal, interpretive and presentational skills developed in Spanish 1 and Spanish 2. Students will gain an advanced understanding of the history, geography and culture of Spain and Latin America. Students will develop an academic proficiency in reading, listening, speaking and writing by incorporating complex verb structures, lexicon and syntax in each skill area. In addition, students will develop interpersonal, interpretive and presentational skills that will be applied to the topics of: Family and Community, Contemporary Living, Beauty and Aesthetics, Personal and Public Identity, Global Challenges and Science and Technology.</p>	

<b>AP Spanish Language &amp; Culture</b>	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> No	<b>Grade(s):</b> 11 - 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Spanish 3/3H & AP Recommendation	
<p>AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Spanish Language &amp; Culture. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Spanish Language &amp; Culture Exam in May. AP Exam Fee charged.</p>	

<b>AP Spanish Literature &amp; Culture</b>	
<b>UC/CSU Approved:</b> Yes - Languages other than English (“e”) <b>NCAA Approved:</b> Yes - Additional Core Courses <b>Weighted:</b> No	<b>Grade(s):</b> 11- 12 <b>Duration:</b> Year
<b>Prerequisite(s):</b> Passing grade in Spanish 3/3H or AP Spanish Language and Culture & AP Recommendation	
<p>AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.</p> <p>This college level course is designed to prepare students for the Advanced Placement Examination in Spanish Literature &amp; Culture. Please see the following website for further information about course content and the AP exam: <a href="https://account.collegeboard.org/login/login">https://account.collegeboard.org/login/login</a>. Students who take this class are required to complete a summer assignment and take the AP Spanish Literature &amp; Culture Exam in May. AP Exam Fee charged.</p>	



## Tools for Success

### UC/CSU A-G Course Planner Worksheet

Because admission to most four-year colleges and universities is increasingly competitive, high school students should begin planning-starting freshman year -in order to meet all requirements. The following pages outline course requirements for the California Universities. Both California State University (CSU) and University of California (UC) require students to meet certain minimum entrance requirements. College applicants must complete 15 units of required high school courses (known as ‘A-G’) to be eligible for admission into a 4-year university. Each semester needs to be completed with a grade of ‘C’ or better. A student must complete at least 11 of the required courses prior to the beginning of senior year.

A-G Requirements	9th	10th	11th	12th
<p><b>History/social science (“a”) - 2 Years Required</b> Two years of history/social science, including one year of world history, cultures and historical geography and one year of U.S. history, or one-half year of U.S. history and one-half year of civics or American government.</p>				
<p><b>English (“b”) - 4 Years Required</b> Four years of college preparatory English composition and literature required, integrating extensive reading, frequent writing, and practice listening and speaking with different audiences. No more than one year of ESL-type coursework can be used to meet this requirement.</p>				
<p><b>Mathematics (“c”) - 3 Years Required, 4 Years Recommended</b> Three years of college preparatory mathematics (four years is strongly recommended and a graduation requirement) including or integrating topics covered in elementary algebra, advanced algebra, and two-and-three dimensional geometry.</p>				
<p><b>Laboratory science (“d”) - 2 Years Required, 3 Years Recommended</b> Two years of laboratory science are required (three years are strongly recommended), providing fundamental knowledge in two of the following: biology, chemistry, or physics. A year long interdisciplinary science course can meet one year of this requirement.</p>				
<p><b>Language other than English (“e”) - 2 Years Required, 3 Years Recommended</b> Two years (or equivalent to the 2nd level high school instruction) of the <u>same</u> language other than English.</p>				
<p><b>Visual and performing arts (“f”) - 1 Year Required</b> One year required from one of the following categories: dance, music, theater, interdisciplinary arts, or visual arts. Two one-semester courses from the same discipline is also acceptable.</p>				
<p><b>College-preparatory elective (“g”) - 1 Year Required</b> One year chosen from “a-f” courses beyond those used to satisfy the requirements of the “a-f” subjects, or courses that have been approved solely in the elective area.</p>				