



# ROSARY ACADEMY

## COURSE CATALOG

### 2022 - 2023

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This book's online version supersedes any previous printed version.

We must have sufficient enrollment in each elective in order for the class to be offered.

Please talk to your student's counselor if you have any questions.

# GRADUATION REQUIREMENTS

To receive a diploma from Rosary Academy, students who attend Rosary, must successfully complete (“D” or better) the following requirements. All graduation requirements must be taken at Rosary Academy from the time a student enrolls.

**(1 semester = 0.5 credit)**

Religion	4 years	4 credits
English	4 years	4 credits
Social Studies	3 years	3 credits
Mathematics	3 years	3 credits
World Language	2 years (same)	2 credits
Science	3 years	3 credits
Visual/Performing Arts	1 year (sequential)	1 credit
Physical Education	1 year	1 credit
Health and Wellness	1 year	1 credit
Electives*		6 credits

**Graduation** 28 CREDITS

\*All credits earned in excess of the required courses in any subject area will count toward the “Electives” requirement.

# **REQUIREMENTS FOR ELIGIBILITY FOR CSU & UC SCHOOLS**

## **CALIFORNIA STATE UNIVERSITY REQUIREMENTS**

4 years English  
3 years Math (Algebra I & II, Geometry) 4 years recommended  
2 years History/Social Science  
2 years World Language (same)  
2 years Laboratory Science  
1 year Visual or Performing Arts (sequential)  
1 year College Preparatory Elective

## **UNIVERSITY OF CALIFORNIA REQUIREMENTS**

4 years English  
3 years Math (Algebra I & II, Geometry) 4 years recommended  
2 years History/Social Science  
2 years World Language (3 years recommended)  
2 years Laboratory Science (3 years recommended)  
1 year Visual or Performing Arts (sequential)  
1 year College Preparatory Elective

**NOTE: UNIVERSITY OF CALIFORNIA, CALIFORNIA STATE UNIVERSITIES,  
AND MOST 4-YEAR COLLEGES ACCEPT ONLY GRADES OF “C” OR BETTER**



## GENERAL INFORMATION

The following definitions may be helpful in planning a tentative course of study:

### **H – Honors**

These courses are taught at a faster pace and go into greater depth than regular academic courses and earn an extra, or weighted, grade point for an A, B, or C.

### **AP – Advanced Placement**

These are rigorous college level courses that culminate in a required AP Exam administered in May. Depending on their exam score and college policies, students may earn advanced placement and/or college credit for successful completion of these courses. AP courses carry a weighted grade point for an A, B, or C. Students, parents, and teachers are required to sign the AP Student Expectations Agreement at the beginning of the course.

The difference between a regular high school course and an AP course is quite significant. In terms of speed, the final exam for an AP class is about a month and a half earlier than a final for a non-AP class; the AP tests are given at the same day and time worldwide. In terms of curriculum, it is much more in-depth, and the content is substantial. Approximately 2 hours of study time are required each night for most AP courses.

**AP and Honors Classes:** AP Art History, AP Art Studio: 3D Design, AP Art Studio: Drawing, AP Computer Science Principles, AP English Language, AP English Literature, AP European History, AP Spanish Language, AP French Language, AP Calculus AB, AP Calculus BC, AP Biology, AP Chemistry, AP Environmental Science, AP Statistics, AP Physics 1, AP US History, AP Government, AP Psychology, Honors French III, Honors Spanish I, Honors Spanish II, Honors Spanish III, Honors Precalculus, Honors Chemistry, Honors Physics.

The University of California and California State University Systems weight these AP and honors classes according to the following scale: A = 5, B = 4, C = 3, D = 1. In order to maintain the University of California and California State University honors standards, every student must meet the course prerequisites.

Honors classes are also offered in English I through English IV, Algebra I, Algebra II, Geometry, and Biology. Students will be placed in these classes by academic counselors and department teachers according to course prerequisites. Grades in these honors classes are weighted as honors classes toward the Rosary GPA. However, these classes are not weighted by the UC and CSU systems. No student may enroll in honors classes if she has received a semester D in any introductory course of that discipline.

**Class failures:** Any core class failed must be remediated prior to the start of the following school year, or enrollment may be jeopardized. Both grades, failed and repeated, are recorded on the transcript. It is expected that students will remediate D's and F's in core courses at Rosary Academy or through an approved program. See your counselor for remediation information.

## IMPORTANT NOTES

Course requests and course alternates should be made with careful consideration since these requests are considered final. Classes without a minimum enrollment will be dropped from the schedule and a student will be placed in her alternate choice.

- Rosary Academy reserves the right to modify all courses listed in this Course Catalog, to cancel courses for which too few students register, and to make schedule changes when necessary.
- Scheduling is done in the spring with your counselor.
- Students' courses may be changed if there is an error in placement, conflict between elective choices, insufficient course enrollment, not meeting course prerequisites, or the class being full.
- All student schedules are assigned by computer. The system balances all class sizes and randomly assigns teachers and periods. To maintain proper class balance and fairness to all, students/parents may not request a schedule change to accommodate a teacher or class of their choice.
- Classes are semester-long and year-long. Once placed into a class, students must remain in that class until the end of the school year.
- Students have the opportunity to **ADD/DROP** courses within the first two weeks of the fall semester
- Prerequisites for any subject must be met at the end of the first semester and maintained at the end of the second semester. Changes made at semester for a year-long class are rare and occur only under special circumstances with the approval of Administration.
- Students planning on playing sports at the college level should see their counselor to verify they are on track to meet NCAA/NAIA requirements

It is the responsibility of the parent and student, in consultation with the school counselor, to plan a program which will meet graduation requirements and the requirements of the post-graduation program of their choice.

## ENGLISH DEPARTMENT

Four Years Required (4 Credits)

### 5302 ENGLISH I

**Course Length:** Year

**Grade Level:** 9

This one-year course is an introduction to a variety of literary genres including the short story, poetry, drama, the novel, and mythology. Grammar is taught formally and within the context of writing. Vocabulary includes the study of root word meanings, synonyms, antonyms, analogies, and usage. Words for this study come from vocabulary texts and literature. Writing instruction emphasizes the paragraph and the five-paragraph essay form; creative writing is also taught and practiced. **UC Approved**

### 5303 HONORS ENGLISH I

**Course Length:** Year

**Grade Level:** 9

***Prerequisite:** Students are recommended for this class by a committee that reviews entrance exam scores, writing samples, and previous English grades.*

This is a one-year advanced course in the genres of literature including mythology, drama, poetry, the short story, and the novel. Writing instruction focuses on critical and analytical thinking. A variety of rhetorical modes are taught and practiced. Vocabulary includes the study of root word meanings, synonyms, antonyms, analogies, and usage in preparation for standardized tests. Proficiency in grammar, reading comprehension, analytical thinking, and writing are essential for this faster paced course. Participation in this class does not guarantee acceptance into Honors English II. **UC Approved**

### 5304 ENGLISH II

**Course Length:** Year

**Grade Level:** 10

This one-year course uses a thematic approach to literature through a variety of literary genres including the short story, poetry, drama, and the novel. The readings focus on multicultural literature. The further study of grammar, composition, and vocabulary are in the same format as English I. Composition includes a variety of rhetorical modes and encourages critical and analytical thinking. Students receive formal instruction of the research process and documentation styles. **UC Approved**

### **5305 HONORS ENGLISH II**

**Course Length:** Year

**Grade Level:** 10

*Prerequisite: B or higher both semesters in Honors English I; An A both semesters in English I*

This one-year advanced course in literature includes ancient and modern drama, the novel, romantic and classical poetry, and short story selections. Writing skills emphasize descriptive writing, formal essays, and the research process. Competency in grammar plus a proficiency in reading comprehension and analysis are required. Participation in this class does not guarantee acceptance into AP English Language and Composition. **UC Approved**

### **5306 ENGLISH III**

**Course Length:** Year

**Grade Level:** 11

This one-year course, engages students in a survey of American literature from pre-Colonial 17th Century to the multicultural literature of the 21st Century. This includes an in-depth study of poetry, short stories, essays, drama, and novels. The course also further develops students' approach to the writing process. Writing skills focus on pre-college rhetoric and discourse through several assignments on expository, advocacy, and argumentative composition. The spring semester focus on an intense, semester-long research based writing project results in a multi-draft research project. **UC Approved**

### **5309 HONORS ENGLISH III**

**Course Length:** Year

**Grade Level:** 11

*Prerequisite: B or better both semesters in Honors English II; An A both semesters of English II*

This one-year advanced course engages students in a survey of American literature from pre-Colonial 17th Century to the multicultural literature of the 21st Century. This includes an in-depth study of poetry, short stories, essays, drama, and novels. The course also further develops students' approach to the writing process. Writing skills focus on pre-college rhetoric and discourse through several assignments on expository, advocacy, and argumentative composition. The spring semester focus on an intense, semester-long research based writing project results in a multi-draft research project. **UC Approved**

### **5308 ENGLISH IV**

**Course Length:** Year

**Grade Level:** 12

To prepare seniors for the literacy demands of higher education, this class is designed to develop critical thinking, reading, and writing skills at the senior level. Students in this yearlong course develop advanced proficiency in expository, analytical, and argumentative reading and writing as well as literary analysis. While many of the readings will come from British Literature, students will also read a variety of non-British texts including essays and biographical material. Students will continue to demonstrate knowledge of research methods and documentation conventions. By the end of the course, students should be able to identify key rhetorical concepts such as audience, purpose, context, and genre through analysis of texts; determine an author's point of view or purpose in a text; and produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. The ultimate goal of this



English class is to create self-directed learners who reflect on the processes that shape knowledge. **UC Approved**

### **5326 HONORS ENGLISH IV**

**Course Length:** Year

**Grade Level:** 12

*Prerequisite: B or better both semesters in Honors English III; An A both semesters of English III*

This one-year advanced course is designed to prepare seniors for the literacy demands of higher education, and this class is designed to develop critical thinking, reading, and writing skills at the senior level. Students in this yearlong course develop advanced proficiency in expository, analytical, and argumentative reading and writing as well as literary analysis. While many of the readings will come from British Literature, students will also read a variety of non-British texts including essays and biographical material. Students will continue to demonstrate knowledge of research methods and documentation conventions. By the end of the course, students should be able to identify key rhetorical concepts such as audience, purpose, context, and genre through analysis of texts; determine an author's point of view or purpose in a text; and produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. The ultimate goal of this English class is to create self-directed learners who reflect on the processes that shape knowledge. **UC Approved**

### **5307 AP ENGLISH LANGUAGE & COMPOSITION**

**Course Length:** Year

**Grade Level:** 11, 12

*Prerequisites: An A both semesters in Honors English II OR An A both semesters of Honors English III.*

In preparation for the Advanced Placement English Language and Composition exam in May, this year long course focuses on rhetoric and the fundamentals of argument. Students will learn how authors position their texts in specific contexts and craft meaning using rhetorical strategies. The class places a heavy emphasis on reading nonfiction and requires students to produce numerous compositions, many of which are timed in-class essays. Students will need clear proficiency in writing, reading, and editing to participate effectively in this course. Participation in AP English Language and Composition does not guarantee selection for AP English Literature and Composition. **UC Approved**

### **5310 AP ENGLISH LITERATURE & COMPOSITION**

**Course Length:** Year

**Grade Level:** 12

*Prerequisites: B or higher both semesters in AP English Language & Composition; An A- or higher both semesters of Honors English III.*

This year long course focuses on British literature but offers students a close study of other representative works suitable for use on the AP English Literature & Composition exam in May. Students will perform close analyses of poetry, drama, fiction, and the essay as they hone their critical thinking and writing skills. The course includes frequent opportunities for the students to write both formally and informally. The class includes numerous timed writes and take home essays, some of which will require outside research. **UC Approved**

### **5322 LITERATURE INTO FILM**

**Course Length:** Semester Course

**Grade Level:** 11,12

This class explores the complex interplay between text and film, especially as it relates to films adopted from works of literature. Students explore visual storytelling techniques through several distinct modes of cinema: adaptations, original screenplays, documentaries, and non-linear narratives. Students also examine the different modes of storytelling endemic to cinema. Selected works of fiction and nonfiction will be studied as written works before exploring their film adaptations. The class will also explore introductory concepts of film studies including scene structure, cinematography, visual literacy, and the filmmaking process. This class is paired with Shakespeare. **UC Approved**

### **5312 JOURNALISM**

**Course Length:** Year

**Grade Level:** 9-12

***Prerequisite:** Teacher recommendation and writing sample required.*

Journalism is a one-year course focusing on the need for effective communication and enabling the student to write for any journalistic purpose or readership. Areas of concentration include gathering, writing, and editing news, the publishing process, ethics, and the law. Students will also explore issues such as international journalism, the role of the journalist in society, and digital photography. The students will be responsible for the production of the school newspaper and online news website, The Royal Reporter. **UC Approved**

### **5323 SHAKESPEARE**

**Course Length:** Semester Course

**Grade Level:** 11,12

This course explores the life, art, and lasting influence of William Shakespeare through a study of at least six of his plays (a mixture of histories, comedies, and tragedies) along with several sonnets. Study will focus on historical context, language, the theater, character, theme, and modern relevance. Composition will focus primarily on literary analysis and writing from various critical perspectives. This class is paired with Literature into Film. **UC Approved**

### **5994 SPEECH AND DEBATE**

**Course Length:** Year

**Grade Level:** 9, 10, 11, 12

This course focuses on the fundamentals of public speaking and debating; special attention is given to the development of poise and self confidence in front of an audience. It will prepare students for both college and career. Students will understand the importance of analyzing the audience and the purposes of public speeches (to inform, to entertain, to persuade and to motivate). They will also improve their verbal and nonverbal communication skills by participating in a variety of speaking situations. They will learn how to prepare for the speech including research, organization, audience analysis, outlining and practice. **UC Approved**

## **5995 CREATIVE WRITING**

**Course Length:** Semester Course

**Grade Level:** 11, 12

In this creative writing course, 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 for a variety of audiences. Students learn how to develop themes using literary devices such as plot, word choice, and setting. This course will provide students the opportunity to learn strategies and practice those techniques in writing poetry and prose. The course will also provide students the opportunity to improve their writing skills via the writing process. This class is paired with Literature into Film or Shakespeare. **UC Approved**

## GRAPHIC & VISUAL ARTS DEPARTMENT

1 Year of Visual or Performing Arts Required in sequential order (1 CREDIT)

### 5415 GRAPHIC DESIGN I

**Course Length:** Semester Course

**Grade Level:** 9,10,11,12

This semester course is a beginning study in graphic and web design using digital media. The class is structured around projects emphasizing the art elements of line, shape, color, and space. It also introduces the principles of design including rhythm, balance, and type design. The application used is Adobe Illustrator. **UC Approved\***

\*In order to receive UC credit in the fine arts category, students must successfully complete both semesters sequentially, as this course is approved as a year course.

### 5416 GRAPHIC DESIGN II

**Course Length:** Semester Course

**Grade Level:** 9,10,11,12

*Prerequisite: Successful completion of Graphic Design I*

This course explores intermediate concepts in art and design using digital media. Students explore topics in rendering, perspective, animated gifs, photo editing, and collage techniques, primarily using Adobe Photoshop. Graphic Design I and II meet the UC visual and performing arts requirement. **UC Approved\***

\*In order to receive UC credit in the fine arts category, students must successfully complete both semesters sequentially, as this course is approved as a year course.

### 5478 GRAPHICS 3D

**Course Length:** Semester Course

**Grade Level:** 9,10,11,12

*Prerequisite: Successful completion of Graphic Design II with a grade of B or higher*

This studio course provides advanced design students with the technical and aesthetic framework for completing a comprehensive portfolio in digital arts. Students are assigned real-world projects designed for specific clients. Students use a variety of contemporary media including Adobe Creative Suite and AutoDesk to create works with a compelling and clear message.

**UC Approved**

### 5472 YEARBOOK

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: Application and interview required*

This is a year-long course in digital media production. Students learn about the role of journalism and social media in contemporary society. Topics include writing styles, journalism ethics, effective design & typography, photojournalism, and reporting techniques. Staff members will gain valuable experience creating official print and online publications for Rosary Academy.

**UC Approved**

### **5473 VIDEO PRODUCTION I**

**Course Length:** Semester Course

**Grade Level:** 10,11,12

Students create videos in a variety of classic styles while learning the “language” of film-making. Students learn how professionals connect with their audiences to make powerful and lasting motion pictures. Individually and in groups, students will plan, create, and assemble video projects using professional editing applications like Adobe Premiere, Sound Studio, and iDVD. **UC Approved**

### **5474 VIDEO PRODUCTION II**

**Course Length:** Semester Course

**Grade Level:** 10,11,12

This course enhances film-making knowledge with topics in composition, sound design, lighting, and film criticism with an emphasis will be on planning and production skills. Students create original broadcast segments for Royal TV and portfolio DVD that includes a project showcasing student work. **UC Approved**

### **5400 PHOTOGRAPHY**

**Course Length:** Year

**Grade Level:** 9,10,11,12

This year-long course explores the basics of digital photography with an emphasis on the technical and critical thinking skills that empower the student to create art through project-based work. Students will learn camera functions, composition techniques, and methods of creative visual communication. The curriculum will also teach elements of art and principles of design while learning to use DSLR cameras. Furthermore, students will learn post-processing techniques using Lightroom and Photoshop, experiment with lighting equipment, and create photo collages with their images. In addition to technical instruction, projects, and walking field trips, students will be introduced to the historical impacts of photography and study photographers throughout its history. **UC Approved**

### **5464 ADVANCED PHOTOGRAPHY**

**Course Length:** Semester Course

**Grade Level:** 10,11,12

***Prerequisites:** Intro to Photography and Photography II, or teacher recommendation.*

This course will build upon the technical and critical thinking skills learned in the Intro and Photo II courses. Students will create numerous pieces of photographic art with DSLR-type digital cameras driven by concept-based ideas. As advanced photography students, they will learn how to write artist statements and document their work properly. This class will also visit museums and galleries throughout LA and Orange counties during school study trips when possible. In addition to technical instruction, projects, and class field trips, students will be introduced to contemporary photographers who are shifting the art form of photography to new levels. **UC Approved**



### **5475 ART OF ANIMATION**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: Graphics I or Fundamentals of Art*

Animation is unique in its ability to grant total control to the artist and in its universal appeal. This course uses twelve principles of animation to bring character designs to life with the application of classic techniques to new media. Adobe Flash is used to create animated banners, short story videos, and more. Students create exercises and short stories in a variety of styles.

**UC Approved**

### **5430 FUNDAMENTALS OF ART**

**Course Length:** Year

**Grade Level:** 9,10,11,12

Fundamentals of Art is designed to explore the procedures, techniques, vocabulary and skills in drawing and painting. Emphasis is placed on developing the students' observational skills to enhance creative expression. This course focuses on the art elements and principles of design using a variety of media in two-dimensional compositions. Students develop manipulative and organizational skills in using the visual arts media to translate ideas, feelings and values into visual expressions. Historical and cultural contributions will be introduced, as well as artistic analysis, interpretation and judgment of art work and that of others. **UC Approved**

### **5486 DRAWING AND PAINTING**

**Course Length:** Year

**Grade Level:** 9,10,11,12

*Prerequisite: Fundamentals of Art or Equivalent*

This course is for drawing and painting students with previous experience and to develop existing skills. Students' goals are to gain knowledge of advanced drawing techniques, media, vocabulary, and continue their study of the elements and principles of art. Emphasis is placed on developing the students' observational skills to enhance creative expression. Additionally, the student's objectives are to produce renderings from a wide variety of subjects such as figure, still life, faces, and landscapes for a portfolio of course work, use a variety of media will be used including pencil, pen and ink, markers, charcoal, pastel, and mixed media, develop perspective regarding historical and cultural contributions to the world of drawing, analyze, interpret, and evaluate of their work and that of others. The use of color theory will be advanced with a variety of different color applications and techniques. The Elements and Principles of design will be explored in landscape, still-life, and portraiture to create well - balanced / unique paintings for a portfolio of course work. Students will continue to develop their observational skills to enhance their art. Historical and cultural contributions to the world of painting will be introduced, and students will develop skills in artistic analysis, interpretation and judgment of their work and others. **UC Approved**

## **5420 AP STUDIO ART: DRAWING**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: Completion of Fundamentals of Art with an A or higher and teacher recommendation*

AP Studio Art is a college level course for students who are seriously interested in the practical experience of art as a medium for investigation and communication. Home assignments, sketchbooks, and work beyond the class period are required throughout the school year. Ongoing group critiques with peers and the teacher, as well as ongoing individual conferences with the teacher take place throughout the course. AP Studio Art is not based on a written exam; instead, students submit portfolios and quality. The AP portfolio consists of two parts: sustained investigation (15 pieces exploring a line in inquiry and research chosen by the student) and selected works (5 pieces demonstrating overall excellence). All students are required to participate in the AP Portfolio Assessment in May. The College Board charges a fee for this exam. **UC Approved**

## **5451 CERAMICS FUNDAMENTALS I**

**Course Length:** Semester Course

**Grade Level:** 9,10,11,12

This semester course introduces students to the technical and aesthetic study of three-dimensional design through the medium of clay. The visual art elements and principals of design are emphasized and developed through projects. Students learn about historical and cultural contributions and the vocabulary of ceramics. **UC Approved**

## **5452 CERAMICS FUNDAMENTALS II**

**Course Length:** Semester Course

**Grade Level:** 9,10,11,12

This is a semester course that builds upon the skills of design and composition learned in Ceramics Fundamentals I. Advanced projects in sculpture techniques, designs, and glazing explored. In-depth study of the historical and cultural contributions to the world of ceramics is emphasized. **UC Approved**

## **5445 CERAMICS STUDIO**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: Ceramics I and II*

This semester class expands upon the techniques and design concepts introduced in Ceramics I and II. Students gain knowledge in art criticism, art history, aesthetics, hand building and wheel throwing to further develop her three-dimensional art portfolio. **UC Approved**

## 5480 AP STUDIO ART: 3D DESIGN

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: Completion of Fundamentals of Ceramics I & II with an A and teacher recommendation Completion of Ceramics Studio art class recommended*

AP Studio Art is a college level course for students interested in the practical experience of art as a medium for investigation and communication. Home assignments, sketchbooks, and work beyond the class period are required throughout the school year. Ongoing group critiques with peers and the teacher, as well as ongoing individual conferences with the teacher take place throughout the course. AP Studio Art is not based on a written exam; instead, students submit portfolios of twenty artworks for evaluation in early May. AP work must reflect three areas of concern: breadth (eight projects treating a range of subject matter and techniques), concentration (twelve projects reflecting the sustained investigation of an idea), and quality (five selected works reflecting overall excellence). All students are required to participate in the AP Portfolio Assessment in May. The College Board charges a fee for this exam. **UC Approved**

## PHYSICAL EDUCATION DEPARTMENT

1 Year Required (1 CREDIT)

All courses are UC Approved unless noted otherwise

### **7100A HEALTH / WELLNESS**

**Course Length:** Year

**Grade Level:** 9

This year long course provides students with an overview of wellness that includes mental wellness and stress management. In addition, the key components of physical fitness will be introduced both through physical activities and classroom academics. The American Red Cross Standard First Aid Certification with CPR and AED training will be included as well as substance abuse and body systems. This course is a graduation requirement.

### **5722 FITNESS**

**Course Length:** Semester

**Grade Level:** 9-12

This class involves two different types of fitness activities. The sessions will alternate between walking and interval training. STEP, will include walking for fitness usually 3 ½ to 5 miles per hour. The walking will be at a brisk pace in order to get a cardiovascular endurance benefit. HIIT stands for High Intensity Interval Training. HIIT workouts generally combine short bursts of high intensity exercise with periods of rest or lower-intensity exercise. The class is designed to introduce the student to activities that can help increase metabolism, improve oxygen consumption, gain strength, reduce heart rate, positively affect blood pressure, and sugar.

## SPORTS MEDICINE

### 5720 INTRODUCTION TO SPORTS MEDICINE

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: C or better Health / Wellness and Biology*

This is an introductory course designed for anyone interested in the recognition and care of injuries as they relate to exercise and sport. Content includes anatomy, recognition and management of athletic injuries, emergency management, and wrapping and taping as related to the sports health care field. This course is recommended to students who wish to pursue careers in sports medicine, physical therapy, athletic training, and/or strength and conditioning.

Successful completion of this course makes students eligible to become members of the Rosary Academy Sports Medicine Program. Students are required to attend at least 3 Rosary sporting events. **UC Approved**

### 5721 KINESIOLOGY: ANATOMY IN MOTION

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: B or higher of Introduction to Sports Medicine or Anatomy and Physiology*

This course builds upon the knowledge learned in Introduction to Sports Medicine and Anatomy and Physiology of the static body and puts it in motion. Students will take an in depth look at the muscular system's effect on joints, gait, posture, and the skeletal, cardiovascular, and respiratory systems. This class will be beneficial to students looking to go into any sports medicine field such as medicine, physical therapy, athletic training, and/or strength and conditioning.

**UC Approved**



# MATHEMATICS DEPARTMENT

3 years required (3 CREDITS)

## 5600 ALGEBRA I AB

**Course Length:** Year

**Grade Level:** 9

***Prerequisite:** None*

This first year course in algebra includes a review of basic arithmetic skills, solving equations, factoring, fractions, linear and quadratic equations, functions, inequalities, word problems, and rational and irrational numbers. A thorough understanding and emphasis is placed on problem solving and application of principles. **UC Approved**

## 5602 ALGEBRA I

**Course Length:** Year

**Grade Level:** 9,10

This year course provides a general introduction to the essentials of algebra. Content includes variables, expressions, properties, working with rational and irrational numbers, and solving equations and inequalities. Polynomials, graphing, radicals, rational functions, factoring and solving quadratic functions are presented, with focus on applications where appropriate.

**UC Approved**

## 5603 HONORS ALGEBRA I

**Course Length:** Year

**Grade Level:** 9

***Prerequisites:** Dependent upon HSPT and Rosary Placement Test*

This course replicates the course content of Algebra I but concepts are studied in greater depth. There is greater emphasis on word problems, quadratic equations, and other polynomial functions. **UC Approved**

## 5606 ALGEBRA II

**Course Length:** Year

**Grade Level:** 9,10,11,12

***Prerequisites:** C or higher in Algebra I. D grades in Algebra I must be remediated before taking Algebra II.*

This course continues the study of concepts introduced in Algebra I. Topics of study include linear and quadratic equations, functions, conic sections, and properties of rational and irrational numbers. Graphing calculators are used to enhance understanding of algebraic concepts. **UC**

**Approved**

### **5607 INTERMEDIATE ALGEBRA II**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: Completion of Algebra I AB, or Algebra I*

This college prep course continues the study of concepts introduced in Algebra I and Algebra I AB. These topics include linear and quadratic equations, functions, conic sections, and properties of rational and irrational numbers. This course differs from Algebra II in that emphasis is placed on foundational topics. **UC Approved**

### **5608 HONORS ALGEBRA II**

**Course Length:** Year

**Grade Level:** 9,10

*Prerequisites: A in Algebra I, or B or higher in Honors Algebra I*

This course replicates the course content of Algebra II but concepts are studied in greater depth. Topics include polynomial, radical, rational, exponential, and logarithmic functions, as well as linear and quadratic equations, matrices, and conic sections. Concepts are presented using multiple representations. Graphing calculators are used to enhance understanding of algebraic concepts. **UC Approved**

### **5604 GEOMETRY**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: Successful completion of Algebra I and Algebra II*

This course leads to an understanding of the relationship among points, lines, and planes. Plane figures such as triangles, parallelograms, circles, and general polygons will be explored. Area and volume formulas of three-dimensional figures will be developed. Coordinate geometry will be introduced. Students develop an understanding of the nature of proofs and gain experience in writing two-column proofs. **UC Approved**

### **5622 INTERMEDIATE GEOMETRY**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: Successful completion of Algebra I AB and Intermediate Algebra*

This college prep course leads to an understanding of the relationship among points, lines, and planes. Plane figures such as triangles, parallelograms, circles, and general polygons will be explored. Area and volume formulas of three-dimensional figures will be developed. Coordinate geometry will be introduced. Students develop an understanding of the nature of proofs and gain experience in writing two-column proofs. This course differs from Geometry in that emphasis is placed on foundational topics. **UC Approved**

### **5605 HONORS GEOMETRY**

**Course Length:** Year

**Grade Level:** 10,11

*Prerequisite: B or higher in Honors Algebra II*

This course replicates the content of Geometry, but concepts are studied in greater depth at an accelerated pace, with a greater emphasis on geometric proofs, triangle trigonometry and constructions. Reflections and other transformations will be studied. **UC Approved**

### **5610 PRE-CALCULUS**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: C or higher in Algebra II, C or higher in Honors Algebra II*

This course provides students with a solid foundation for the study of calculus. Algebraic, exponential, logarithmic, and trigonometric functions and their graphs are presented, as well as matrices, sequences, probability, and selected topics from analytic geometry. Graphing calculators are used to enhance understanding of pre-calculus topics. **UC Approved**

### **5612 HONORS PRE-CALCULUS**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: B or higher in Honors Algebra II or A or higher in Algebra II*

This course replicates the course content of pre-calculus, but concepts are studied in greater depth. Additional topics include vectors, polar, graphic, and parametric equations. During the fourth quarter, an introduction to calculus, including the concepts of limit, continuity, and differentiation, is presented. **UC Approved**

### **5621 CALCULUS**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: C or higher in each semester of Pre-Calculus or Honors Pre-Calculus*

The course in single variable Calculus. The course covers limits, derivatives, definite integrals of algebraic and transcendental functions, and the application of derivatives and integrals. Techniques of integration and integrals may also be covered. **NOTE:** This course is not designed to prepare the student for the AP Calculus Exam. **UC Approval**

### **5623 HONORS CALCULUS**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Honors Pre-calculus or A in Pre-calculus*

The basic objects of study in calculus are function behavior and relationships. In this course, functions are analyzed in terms of symbolic formulas, graphs, and numerical data. Of primary concern is the connection and application of calculus to real life problems occurring in physics, chemistry, engineering, economics and finance, and the three main concepts of calculus (limits, derivatives, and integrals) are studied from these perspectives. All of these approaches to understanding are essential. Learning mathematics involves both achieving a deep understanding of concepts and learning new skills. As a consequence, this course emphasizes broad concepts and widely applicable methods as well as facility with manipulation and computational competence. Technology is used regularly by the teacher and students to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation and to assist in interpreting results. **UC**

**Approval**

### **5611 AP CALCULUS AB**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Honors Pre-calculus or A in Pre-calculus*

This course includes all topics recommended in the College Board course outline for Calculus AB. Functions, graphs, limits and continuity, differentiation and applications of the derivative, anti-differentiation, definite integrals and their applications, and the Fundamental Theorem of Calculus are presented. Additional hours may be required. The College Board charges a fee for this exam. **UC Approved**

### **5616 AP CALCULUS BC**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: C or higher in AP Calculus*

This course is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The College Board charges a fee for this exam. **UC Approved**

### 5619 AP STATISTICS

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: B or higher in Honors Algebra II or A in Algebra II and B or higher in Honors English or A in English*

This course includes the broad themes and specific topics recommended in the College Board course outline for AP Statistics: exploring data, describing patterns, sampling, experimentation, probability, and statistical inference. AP Statistics is an activity-based course in which students are engaged in constructing their own knowledge. Additional hours may be required. The College Board charges a fee for this exam. **UC Approved**

### 5614 STATISTICS

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: C or higher in Algebra II*

This course teaches students the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include patterns and departures from patterns and models using probability and simulation. Students complete projects involving hands-on gathering and analysis of real-world data. Appropriate technology including manipulatives, calculators, and computers are used. **UC Approved**

### 5618 ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: C or higher in Algebra II*

This course is a mathematical modeling course that is algebra-based, applications-oriented, and technology-dependent. Students study mathematics topics from Advanced Algebra, Statistics, Probability, Pre-calculus, and Calculus under seven financial umbrellas: Banking, Investing, Credit, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. **UC Approved**

### 5481 AP COMPUTER SCIENCE PRINCIPLES

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: B or higher in Honors Algebra I or II or A or higher in Algebra I or II*

Principles provides a broad, inspiring overview of computer science and programming logic. Computational thinking is an increasingly important part of all fields of study. Students in AP CSP explore the global effects of “big data” and learn the logic and methods used in standard programming languages. By the end of this course, students are able to identify ways to responsibly apply computer technology and create applications. The College Board charges a fee for this exam. **UC Approved**



## PERFORMING ARTS DEPARTMENT

1 year of Performing Arts or Visual Arts is required in sequential order (1 CREDIT)

All courses are UC Approved unless noted otherwise

### 5443 CHOIR

**Course Length:** Year

**Grade Level:** 9, 10, 11,12

This is a non-audition course, open to all Rosary Academy students who wish to sing within a large ensemble. Performances include: Rosary Day, the Annual Christmas concert, the Spring Festival of the Arts Concert, Masses, prayer services, end-of-the year ceremonies, and other possible outside events. Students will learn: the importance of practice/rehearsal, proper vocal production, score reading, reading pitch and rhythm in standard notation, solfege, sight singing, performance skills/etiquette, and musical expression through the voice. Students will learn a wide variety of vocal repertoire including pop, jazz, musical theatre, and classical styles. Each student is evaluated on both their performance within the large ensemble, as well as individual merit and growth. This course may be taken more than once. Concert attire is not provided but is required. **UC Approved**

### 5434 MUSICAL THEATRE

**Course Length:** Year

**Grade Level:** 9, 10, 11, 12

This course offers students an opportunity to both learn about and engage with the art of Musical Theater. In the first semester, students will learn how to act, perform, sing, and choreograph. Students will also gain an understanding of the common terms, themes, structures, and tropes present within musical theater. In the second semester, students will continue to broaden and refine their knowledge and understanding of musical theater by learning about the history of Broadway and American musical theatre from its early beginnings in Vaudeville to the present day. Students will learn how musicals formed and developed throughout the decades, and how the art form was influenced by historical events, culture, and society. Performances include the Christmas Concert and the Spring Festival of the Arts Concert, where students perform musical scenes and songs. This course may only be taken once. **UC Approved**

### 5437 CHAMBER ORCHESTRA / PERCUSSION

**Course Length:** Year

**Grade Level:** 9, 10, 11, 12

Orchestra is a beginning-to-intermediate level performance class designed for students who wish to continue their study of music by participating in an instrumental ensemble. Prior experience on either piano, handbells, a wind, or a string instrument is highly encouraged but not required. This course includes a study of note reading, sight reading, basic theory concepts and knowledge of musical symbols and terminology. Also included is the study of tone production, posture, hand position, proper performance techniques, as well as proper care, handling, and storage of musical instruments. In addition, this class provides a variety of performance opportunities. Mandatory performances include, but are not limited to: Open House, Christmas Concert, Promotional Concerts, Festivals, Red Wine and Gold, and the Spring Festival of the Arts Concert. This course may be taken more than once. **UC Approved**

## **5446 GUITAR/PIANO SONGWRITING**

**Course Length:** Year

**Grade Level:** 9, 10, 11, 12

This is a beginning-to-intermediate level course in which students will learn the skills required to both perform and compose on either the guitar or piano. All students are required to purchase their own instruments in order to participate in and practice the skills necessary for success in this course. Please contact instructor for instrument recommendations prior to the first day of class. This course does not require any prior experience on either instrument. Included in this course are the following skills: proper vocal technique, proper instrument technique, reading and writing with music notation, lyric writing, understanding the structure of songs, performing alone and with others, an understanding of basic music theory, music composition, and improvisation. A number of performance opportunities are available for this course including but not limited to: Open House, Lunchtime concerts, The Christmas Concert, and the Spring Festival of the Arts Concert. This course may be taken more than once. **UC Approved**

## RELIGION DEPARTMENT

Rosary Academy adheres to the Doctrinal Elements of a Curriculum Framework for high school students, created by the United States Conference of Catholic Bishops (USCCB).

Religion courses are part of the core curriculum for all four years at Rosary Academy. The students take the course assigned to their grade level. All courses balance theology with spirituality and offer direction and practical guidance for living out a Catholic Christian faith. Students of different faith and spiritual backgrounds are welcomed and respected.

### **1000A UNDERSTANDING CATHOLICISM**

**Course Length:** Year

**Grade Level:** 9, Transfer Students

In this course, the students are introduced to the basic tenets of Christianity and the Catholic faith. Understanding Catholicism introduces students to doctrine and foundational faith topics such as Bible basics, sin, Salvation History, Marks of the Church, Sacraments, The Paschal Mystery, Christian Morality, Catholic Social Teaching, and Revelation. The students will explore Catholic traditions, prayers, and practices and learn about the Mass as the source and summit of the Catholic faith.

After completing this year-long course, the student will move into the grade level.

### **1100A RELIGION I - REVELATION AND THE OLD TESTAMENT/ JESUS CHRIST AND THE NEW TESTAMENT**

**Course Length:** Year

**Grade Level:** 9

The first semester of the course provides students with general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will encounter the living Word of God, Jesus Christ. Students learn about the Bible, authored by God through Divine Inspiration, and its value worldwide. Students will learn how to read the Bible and become familiar with the major sections and the books included in each section. In the second semester of the course, students are introduced to the mystery of Jesus Christ, the living Word of God. The students will pay particular attention to the Gospels to grow to know and love Jesus Christ more personally. Students will understand that Jesus Christ is the ultimate Revelation from God in this course. In learning who Jesus is, students will learn whom they are called to be as disciples of Jesus.

## **1200A RELIGION II – THE PASCAL MYSTERY/ THE GOSPEL OF SACRAMENTS AND GOD’S GRACE**

**Course Length:** Year

**Grade Level:** 10

The first semester of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through the course of study, students learn that for all eternity, God has planned for us to share eternal happiness with him accomplished through the redemption Christ won for us. Students learn that they share in this redemption only in and through Jesus Christ. The second-semester course helps students understand that they can encounter Christ today completely and authentically in and through the sacraments, primarily through the Eucharist. Students will examine each sacrament in detail to learn how they may encounter Christ throughout life.

## **1300A RELIGION III – CHURCH FOUNDATIONS AND MISSION/ MORALITY AND GOD’S LOVE**

**Course Length:** Year

**Grade Level:** 11

The first semester, using the text: Church Foundations and Mission, the students will study the Church's mission by exploring its foundations and structure. They will use Scripture reading and exegesis, especially diving deep into the Gospel of Matthew, to understand how the words and actions of Jesus help lead us to a deeper understanding of what it means to be 'church.'

In the second semester, using the text: Morality and God's love, the students will continue Scripture reading and exegesis of Old and New Testament passages that are the foundation for Christian morality. This course focuses on the importance of moral decision-making in living a happy and holy life and explores Christian morality's philosophical and theological foundational principles, including the concepts of truth and goodness.

## **5007 PEACE AND JUSTICE**

**Course Length:** Fall Semester

**Grade Level:** 12

This course aims to introduce students to the Church's social teaching. In the course, students learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. **UC Approved**

## **5006 COMPARATIVE RELIGIONS (ECUMENICAL AND INTERRELIGIOUS DIALOGUE)**

**Course Length:** Spring Semester

**Grade Level:** 12

The course aims to help students understand how the Catholic Church relates to non-Catholic Christians and other religions. Building the foundational truth that Jesus Christ established the Catholic Church and entrusted the fullness of God's Revelation to her. The course aims to help students recognize how vital spiritual truths can also be found in non-Catholic Christian faith traditions. It is also intended to help students recognize how other belief systems and practices differ from Catholicism. **UC Approved**

## SCIENCE DEPARTMENT

3 Years Science Required (3 CREDITS)

All courses are UC Approved unless noted otherwise

### 5801 BIOLOGY (Life)

**Course Length:** Year

**Grade Level:** 9,10

*Prerequisite: Based on HSPT scores.*

Through class instruction and laboratory inquiries, the biology student is introduced to the following areas of study: the nature of living things, the continuity of life, microbiology, biology of plants and animals, genetics, evolution, bioethics, human biology, and ecology. The student develops the ability to use scientific procedures in the lab, to collect and analyze data, and to draw conclusions from results obtained. **UC Approved**

### 5809 HONORS BIOLOGY (Life)

**Course Length:** Year

**Grade Level:** 9

*Prerequisite: Based on HSPT scores.*

Honors Biology is a course surveying the principal biological concepts of the chemistry of life, cells, genetics, evolution, plants, animals, and ecology. Emphasis will be placed upon understanding the process of science, the interrelatedness of science, technology, and society, and the place of ethics in biology. Laboratory work, reading, and writing will constitute a major part of the course. **UC Approved**

### 5804 PHYSICAL SCIENCE (Physical)

**Course Length:** Year

**Grade Level:** 9,10

*Prerequisite: Based on HSPT scores.*

This is an introductory physical science course which explores important concepts of earth systems including earth formation, composition, and dynamics, and concepts of both physics and chemistry with minimal math required. The concepts of matter and energy are studied with reference to topics such as wave motion and atomic structure. Further topics include astronomy, geology, oceanography, and weather. Particular emphasis is placed on problem solving through laboratory investigations. **UC Approved**

### 5805 CHEMISTRY (Physical)

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: C or better in Biology and Algebra I. Concurrent enrollment in Algebra II or higher.*

The student is introduced to chemistry through the study of matter and energy and continues with elements and compounds and different types of reactions. The Mole concept, atomic structure, and different forms of bonding are studied. Further topics include kinetic theory, acids and bases, and equilibrium systems. Problem-solving and laboratory techniques are emphasized.

**UC Approved**



### **5824 CHEMISTRY IN THE COMMUNITY**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: Completion of Biology and Algebra I.*

Chemistry in the Community (ChemComm) is a physical science course where students investigate and analyze community problems that have a chemistry component and use their knowledge of chemistry to suggest ways in which the problems can be solved or abated. ChemComm uses student-centered activities, societal problems and decision-making exercises to successfully introduce chemistry. Major topics include hydro chemistry, biochemistry, polymer chemistry and nuclear chemistry. Students will apply chemical principles learned in the classroom as well as develop scientific writing skills by means of writing college style lab reports. **UC Approved**

### **5806 HONORS CHEMISTRY (Physical)**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: B or higher in Honors Biology and Honors Math or A's in Biology and Math. Concurrent enrollment in Algebra II or higher.*

The topics studied are similar to those studied in the regular Chemistry course but in greater depth. The course will be more mathematically oriented than the regular class, and problem solving will be emphasized. Practical examples and uses of chemistry will be emphasized. Lab work is a strong element in this class. **UC Approved**

### **5820 ANATOMY AND PHYSIOLOGY (Life)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: Biology and Chemistry with a B or better, or concurrent enrollment in Chemistry*

This course focuses on human biology by examining the human anatomy and physiology of all the major organ systems. Other topics may include nutrition, drugs, biotechnology, health issues, and disease controls. **UC Approved**

### **5803 AP BIOLOGY (Life)**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: B or higher in Honors Biology and Honors Math or A in Biology and Math*

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Students are required to take the AP Biology exam in May. The College Board charges a fee for this exam. **UC Approved**

### **5814 AP CHEMISTRY (Physical)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: A in Honors Chemistry and Honors Math*

This is a college level chemistry course. It covers a vast amount of material. Students undertake a thorough study of a college level chemistry textbook, conduct numerous laboratory experiments, prepare written laboratory reports, and write brief papers summarizing scientific articles. The course covers structure and states of matter, reactions, including equilibrium, kinetics, and thermodynamics. The course also includes descriptive chemistry and introductory organic chemistry. The material taught and its sequence reflects the course outline suggested by the authors of the Advanced Placement Chemistry exam. Students are required to take the AP Chemistry exam in May. The College Board charges a fee for this exam. **UC Approved**

### **5807 PHYSICS (Physical)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Chemistry and Algebra II.*

The first part of this course focuses on the classical mechanics from a conceptual viewpoint although associated math techniques are emphasized. The topics of heat, light, sound, magnetism, and electricity are studied with a focus on how they relate to the concept of energy. Problem solving using a variety of techniques including written work, laboratory experiments, and computer work is also emphasized. **UC Approved**

### **5808 HONORS PHYSICS (Physical)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Honors Chemistry and Honors Algebra II or A in Chemistry and Algebra II. Concurrent enrollment in Geometry or higher.*

The topics studied in this course are similar to those studied in the regular Physics class but in greater mathematical depth. General areas of physics such as mechanics, heat, wave motion, light and electricity, and magnetism are studied, emphasizing practical mathematics and laboratory investigation. Problem solving, using a variety of techniques including the computer, is also emphasized. Lab work is considered very important in this class. **UC Approved**

### **5817 AP PHYSICS I**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Honors Chemistry and Honors Algebra II or A in Chemistry and Algebra II. Concurrent enrollment in Geometry or higher.*

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics of classical physics. Topics include kinematics, dynamics, Newton's Laws, circular motion, Universal Law of Gravitation, simple harmonic motion, linear momentum, work energy, conservation of energy, rotational motion, electric charge, electric force, circuits, and mechanical waves. Through science practices and inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students are required to take the AP Physics exam in May. The College Board charges a fee for this exam. **UC Approved**

## **5822 AP ENVIRONMENTAL SCIENCE (Life)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: B or higher in Honors Chemistry and Honors Algebra II or an A in Biology and Chemistry*

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Colleges may require students to present their laboratory materials from AP science courses before granting college credit for laboratory, so students are encouraged to retain their laboratory notebooks, reports, and other materials. Students are required to take the AP Environmental exam in May. The College Board charges a fee for this exam. **UC Approved**

## **5823 OCEANOGRAPHY (Life)**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: C or higher in Biology and Chemistry*

Students will develop a detailed understanding of the biota of marine environments as well as the ecological processes of marine environments. They will study the diversity of marine life, inter-species relationships, and the interactions between species and their physical environment. The course will also entail learning about marine animal and plant habits; their life cycles; the anatomy of many macroscopic marine creatures, such as clams, starfish, and sharks; and man's interaction with the marine world. A strong emphasis will be placed on fundamental biological principles and how this supports successful marine management. The lab component includes microscopic studies, dissections, and activities designed to help students understand a wide range of concepts related to marine biology. **UC Approved**

## **5487 ENGINEERING I**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: C or better in Algebra I both semesters*

The purpose of Engineering is to provide students with knowledge of the Engineering process. It will require organized problem solving and creative thinking. Emphasis of the class will be on the student's ability to apply science and engineering practices to design problems. They will learn about real life engineering and apply this throughout the class. During the completion of the units the students will work on projects that will use elements of the design process, including defining the problem, establishing criteria and constraints, computations, prototype building, testing prototypes and making design changes and suggestions based on the testing. The course will be broken down into design challenges where the students will get a problem and then have to come up with a design to solve the problem, build their prototype of their solution, test their prototype, and review their testing and make design changes and suggestions. The projects will culminate to a final project that the students will be able to apply engineering practices to a complex real world problem that the student identifies. **UC Approved**

## SOCIAL STUDIES DEPARTMENT

Three Years Social Studies Required (3 Credits)

All courses are UC Approved unless noted otherwise

### 5901 WORLD HISTORY

**Course Length:** Year

**Grade Level:** 10

In this course students examine major turning points in the shaping of the modern world from the eighteenth century to the present. The focus of this study is on the expansion of the West, the study of nationalism in the contemporary world, and the growing interdependence of people and cultures throughout the earth. Each unit examines the relationships between historical, geographic, political, technical, economic, social, and cultural developments of the time and their impact on the present. **UC Approved**

### 5925 HONORS WORLD HISTORY

**Course Length:** Year

**Grade Level:** 10

*Prerequisite: B in Honors English I or A in English I*

This course provides a comprehensive analysis of the historical ideas, people, and forces that have served as turning points shaping the modern world. The course broadens student understanding of the foundation and development of democratic ideas and provides an understanding the historical roots of current world issues and events. Through writing, critique, and primary and secondary source evaluation, students consider multiple accounts of events and corroborate information to create complex and comprehensive accounts of historical events and how they relate to the present. **UC Approved**

### 5922 US HISTORY

**Course Length:** Year

**Grade Level:** 11

This course provides a one-year survey of American History from the Colonial Period and the American Revolution to the 21st Century. Students learn about the several political, social, religious, and economic developments that have shaped and continue to shape the United States. Emphasis is placed on developing higher-order inquiries of comparison, contextualization, causation, and change over time. **UC Approved**

## **5926 HONORS US HISTORY**

**Course Length:** Year

**Grade Level:** 11

*Prerequisite: B in Honors World History or A in World History (B in Honors English II or A in English II)*

Honors United States History is an in-depth study of American History and the critical events that have shaped our country. Students will develop a greater understanding of the history and development of our country leading to the United States becoming a dominant world power in the 20th and 21st Centuries. Students will study the ethnic diversity, citizenship, civil rights, women's rights, the role of the federal government in daily life, and the U.S. as a major world power. The goal is a comprehensive understanding and appreciation of the values of the Framers and how their influence is shown in contemporary society. Students will analyze the role of the Constitution, its original intent and its current interpretations of the freedoms, rights, and responsibilities it guarantees. This course provides a writing-intensive preparation for college-level coursework. **UC Approved**

## **5906 AP US HISTORY**

**Course Length:** Year

**Grade Level:** 11

*Prerequisite: A in Honors English II, A or better in AP European History, and concurrent placement in AP English Language & Composition or Honors English III.*

This is a college-level course in American History that allows students to investigate significant events, individuals, developments, and processes across nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change—skills important to successful college study. The course prepares students to take the AP U.S. History exam administered in the Spring Semester. The College Board charges a fee for this exam. **UC Approved**

## **5904 AMERICAN GOVERNMENT**

**Course Length:** Fall Semester

**Grade Level:** 12

This one-semester college-preparatory course is required of all seniors. The course is designed to develop an insight, awareness, understanding, and appreciation of the governing process unique to the United States of America. The course integrates theory with practical experience. Instruction includes study trips, guest speakers, films, and work experience with campaign organizations and political parties. The Constitution, with a special emphasis on the Bill of Rights, will be studied with an in-depth examination of the three branches of American government. **UC Approved**

### **5905 ECONOMICS**

**Course Length:** Spring Semester

**Grade Level:** 12

This one-semester course is required of all seniors. The course is designed to familiarize students with basic economic concepts. Students explore the basic concepts of macroeconomics, microeconomics, and international economic principles and explore topics such as the stock market, personal finance, credit, and business ethics through films, projects, and guest speakers. The course provides students with information and analytical tools useful in developing a personal and responsible regard for the global economy. **UC Approved**

### **5908 AP US GOVERNMENT & POLITICS**

**Course Length:** Year

**Grade Level:** 12

*Prerequisite: B or higher in AP US History or A- or better in US History*

This course is designed to provide students with a critical perspective on politics and government in the United States. This course is an in-depth study of general concepts used to interpret American politics combined with the analysis of specific case studies. It requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Students are required to take the AP American Government exam in May. The College Board charges a fee for this exam. **UC Approved**

### **5920 AP EUROPEAN HISTORY**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: A in Honors English I, and concurrent enrollment in Honors English II.*

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This course provides the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. The College Board charges a fee for this exam. **UC Approved**

### **5907 PSYCHOLOGY**

**Course Length:** Semester

**Grade Level:** 10,11,12

This course focuses on the study of human behavior. As an introduction to the field of psychology, this course includes consideration of psychological principles, terminology, major theories, careers, methods of experimentation, and practical applications. Topics include personality development, problem-solving, group dynamics, and motivation. Students will also study individual behavior and why an individual think, feels, and reacts to certain stimuli. Major emphasis will be placed on research methods, stages in childhood and adolescence, how the brain works, altered states of consciousness, psychological testing, and psychological disorders. This course is taken in conjunction with Sociology. **UC Approved**

### **5916 AP PSYCHOLOGY**

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisites: B or better in most recent science class, B or better in most recent English class.*

This year-long advanced placement course studies the general field of psychology focusing on the reliability of research, an understanding of the principles of psychology, and their application to real-life situations. Students are required to take the AP Psychology exam in May. The College Board charges a fee for this exam. **UC Approved**

### **5927 CULINARY ARTS IN AMERICAN HISTORY**

**Course Length:** Semester

**Grade Level:** 11-12

This course uses food as a lens to explore the social, cultural, economic, and political history of the United States. The class examines the history of agriculture, food production, eating, and taste from the Colonial period to the age of the food blogger. Key to this is discourse regarding the origins of food production, changes in agricultural techniques, the industrialization of food production, debates about nutrition, development of food safety laws, culinary fads, and poverty and hunger. The class investigates the contributions of the diverse racial, ethnic, and cultural groups within the United States and its growing food culture. It will highlight eating as an indispensable human activity and how the drive to obtain food operates as a catalyst for human existence. **UC Approval Pending.**

### **5923 SOCIOLOGY**

**Course Length:** Semester

**Grade Level:** 10,11,12

This course is designed to familiarize students with various cultures and the problems resulting from people living in groups. Topics covered include the nature of societal culture, subcultures, social institutions, collective behavior, social change, social deviation, the family, religion, racial and ethnic minorities, poverty, and crime. It will also explore the pressing problems of our society, their causes, and possible solutions. This course is taken in conjunction with Psychology. **UC Approved**



## **5924 HISTORY OF CALIFORNIA**

**Course Length:** Semester

**Grade Level:** 11,12

A survey of the significant historical periods in California history from the pre-Columbian era to the present. The course provides an overview of the incredible diversity of California and how that diversity has influenced its economic, social, cultural, and political institutions. Students will gain a broad understanding of the state's most influential ideas, personalities, movements, and events. Students will also gain skills in analytical thinking, reading, and writing as well as learn to interpret primary and secondary sources of history. **UC Approved**

## **5919 WOMEN'S HISTORY**

**Course Length:** Semester

**Grade Level:** 11,12

*Prerequisite: B or higher in World History*

This course moves through the chronology of American history to examine the broad themes that have shaped the lives of women in the United States from the Pre-Colonial Era to the Present. Students investigate the major events of American history from the perspective of women and discuss the changing notions of "proper" roles for women and the struggles for women to gain political and civil rights over time. **UC Approved**

## **5921 INTRODUCTION TO LAW AND THE U.S. LEGAL SYSTEM**

**Course Length:** Semester

**Grade Level:** 11,12

This semester course is designed to provide students with both theoretical and practical knowledge about the legal system in the United States. It will introduce students to the ways in which legal professionals interpret, create, and modify legal rules in our common-law system. Emphasis will be placed on many aspects of law in the United States from U.S. Constitution to contemporary interpretations of legal matters. Areas of focus will include those fields considered foundational to the study of law: Criminal Law & Procedure, Civil Procedure, Constitutional Law, Property, Contracts, Tort Law, Trial Advocacy & Procedure, Rules of Evidence, and Legal Research & Reasoning. Students will also examine the distinctions between law as it popularly perceived and the actual practice of law. **UC Approved**

## **5469 AP ART HISTORY**

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisite: B or higher in Honors English or A in English.*

AP Art History is an intense study of global art, its forms, and interpretations that attempts to place artistic works in historical and cultural contexts. Students investigate a canon of 250 works of art that span diverse artistic traditions from prehistory to the present, developing a holistic understanding of the history of art from a global perspective. Particular emphasis is placed on preparing students for the rigors of the AP Art History exam administered in the Spring Semester. This includes the application of visual, contextual, and comparative analysis through written responses to in-depth questions. The College Board charges a fee for this exam. **UC Approved**

## WORLD LANGUAGES DEPARTMENT

2 Years of the same World Language required (2 CREDITS)

### 5501 SPANISH I

**Course Length:** Year

**Grade Level:** 9-12

This course introduces elementary grammar principles and basic vocabulary. Emphasis is placed on the development of reading, writing, listening, and speaking skills. This course also presents an introduction to the culture of Spanish-speaking countries. **UC Approved**

### 5525 HONORS SPANISH I

**Course Length:** Year

**Grade Level:** 9-12

***Prerequisite:** Placement based on HSPT scores.*

Honors Spanish 1 introduces the student to the Spanish language and Hispanic cultures at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. **UC Approved**

### 5503 SPANISH II

**Course Length:** Year

**Grade Level:** 9-12

***Prerequisite:** Completion of Spanish I or Spanish Placement Test for Incoming Freshman*

This course is a continuation of the study of basic grammar principles and vocabulary. Increased emphasis is placed on the development of communicative competence in both the spoken and written language and continued study of the culture of Spanish-speaking countries.

**UC Approved**

### 5524 HONORS SPANISH II

**Course Length:** Year

**Grade Level:** 9,10,11,12

***Prerequisite:** B or better in Honors Spanish I or A in Spanish I or Spanish Placement Test for Incoming Freshman*

Honors Spanish II is a fast-paced two-semester course, which reinforces and strengthens students' ability to speak, read, and write in Spanish. The student will review grammar previously studied, master new concepts in Spanish, and enhance her knowledge of the cultural diversity of the Spanish-speaking world. The emphasis on improvement of oral skills will be considerable, and the student will be required to speak in Spanish on a variety of topics and in several situations ranging from question and answer, oral presentations, and full conversations. Students will be able to write extended paragraphs as well as shorter essays and other various forms of writing demonstrating the vocabulary and verb tenses introduced and practiced in this course. **UC Approved**

### **5504 SPANISH III**

**Course Length:** Year

**Grade Level:** 10-12

**Prerequisite:** *Successful completion of Spanish II*

Spanish III is a review of all basic grammar principles and an introduction to more sophisticated structures. This course continues the development of oral and written communication skills and a thematic approach to the Spanish and Latin American cultures is included. **UC Approved**

### **5513 HONORS SPANISH III**

**Course Length:** Year

**Grade Level:** 10-12

**Prerequisite:** *B or better in Honors Spanish II, or an A in Spanish II*

Honors Spanish III is a rigorous academic course which continues the study of advanced Spanish grammar while developing increased student mastery of the spoken language. This class emphasizes reading, discussion, and critical analysis of Spanish literary works. Students write original compositions in Spanish. The history and civilization of Latin America form the basis of cultural study. **UC Approved**

### **5514 SPANISH IV**

**Course Length:** Year

**Grade Level:** 11-12

**Prerequisite:** *C+ in Spanish III*

This course is a review of all basic principles and an introduction to more advanced grammar structures. There is an emphasis on listening and speaking skills and the ability to communicate in everyday situations. Students will continue to increase their vocabulary and develop an awareness of various aspects of Hispanic culture. The reading selections, which are representative pieces of Spanish literature, are the basis of original compositions and provide further topics for discussions. **UC Approved**

### **5518 HONORS SPANISH IV**

**Course Length:** Year

**Grade Level:** 11-12

**Prerequisite:** *B or better in Honors Spanish III, or an A in Spanish III*

This course is a rigorous review of all basic principles and an introduction to more advanced grammar structures. There is an emphasis on listening and speaking skills and the ability to communicate in everyday situations. Students will continue to increase their vocabulary and develop an awareness of various aspects of Hispanic culture. The reading selections, which are representative pieces of Spanish literature, are the basis of original compositions and provide further topics for discussions. **UC Approved**

### 5505 AP SPANISH LANGUAGE

**Course Length:** Year

**Grade Level:** 11-12

**Prerequisite:** *A in Spanish III or IV or B in Honors Spanish III or IV*

AP Spanish Language is an advanced Spanish course with emphasis on composition as well as vocabulary building and linguistic accuracy. Students improve their proficiency through a variety of means, including exclusive use of Spanish in the classroom, listening comprehension activities, and grammar review. The history and culture of Spain as well as Hispanic literature provide the basis for discussion and original compositions. Students are required to take the AP Spanish Language exam in May. The College Board charges a fee for this exam. **UC Approved**

### 5507 FRENCH I

**Course Length:** Year

**Grade Level:** 9-12

This course introduces elementary grammar principles and basic vocabulary. Emphasis is placed on the development of reading, writing, listening, and speaking skills. This course presents an introduction of the culture of French-speaking communities. **UC Approved**

### 5508 FRENCH II

**Course Length:** Year

**Grade Level:** 9-12

**Prerequisite:** *Successful completion of French I*

This course is a continuation of the study of grammar principles and vocabulary. Increased emphasis is placed on the development of communicative competence in both the spoken and written language with a continued study of the culture of French-speaking communities. **UC Approved**

### 5512 HONORS FRENCH III

**Course Length:** Year

**Grade Level:** 10-12

**Prerequisite:** *Successful completion of French II*

Honors French III is a rigorous academic course which continues the study of advanced French grammar while developing increased student mastery of the spoken language. This class emphasizes reading, discussion, and critical analysis of French literary works. Students will write original compositions. A thematic approach in French culture is included. **UC Approved**

### 5510 AP FRENCH LANGUAGE

**Course Length:** Year

**Grade Level:** 11-12

**Prerequisite:** *A minimum of a B in Honors French III.*

AP French Language is an advanced French course with emphasis on composition as well as vocabulary building and linguistic accuracy. Students improve their proficiency through a variety of means, including exclusive use of French in the classroom, listening comprehension activities, and grammar review. Cultural and literary readings provide the basis for discussion and original compositions. The College Board charges a fee for this exam. **UC Approved**

### **5517 AMERICAN SIGN LANGUAGE I**

**Course Length:** Year

**Grade Level:** 9-12

This course introduces elementary grammar principles and basic vocabulary. Emphasis is placed on receptive and expressive skills. This course also presents an introduction of Deaf culture and history. **UC Approved**

### **5519 AMERICAN SIGN LANGUAGE II**

**Course Length:** Year

**Grade Level:** 10-12

**Prerequisite:** *Successful completion of ASL I*

This course expands on the concepts learned in American Sign Language I. Students continue to learn communication skills, the structure/grammar of ASL, Deaf Culture, and history. In addition to homework and projects, students are expected to practice and study outside the classroom and attend Deaf events in the community. **UC Approved**

### **5520 AMERICAN SIGN LANGUAGE III**

**Course Length:** Year

**Grade Level:** 11-12

**Prerequisite:** *C in ASL II, passing grade on second semester exam, and teacher recommendation*

This course expands on the concepts learned in American Sign Language Levels I and II. Students continue to learn communication skills, the structure/grammar of ASL, Deaf Culture and history. Students are expected to practice and study outside the classroom, and attend Deaf events in the community. **UC Approved**

### **5522 AMERICAN SIGN LANGUAGE IV**

**Course Length:** Year

**Grade Level:** 12

**Prerequisite:** *C in ASL III and teacher recommendation*

This course expands on the concepts learned in American Sign Language Levels I, II and III. Students continue to learn communication skills, the structure/grammar of ASL, Deaf Culture, and history, and investigate controversial issues in the Deaf community. This course introduces interpreting skills. **UC Approved**

## OTHER ELECTIVES

All courses are UC Approved unless noted otherwise

### 0111 LEARNING STRATEGIES

**Course Length:** Semester

**Grade Level:** 9-12

The purpose of this course is to enable students to acquire and generalize strategies and skills across academic and community settings to achieve annual goals based on assessed needs.

This course is designed for students who need individualized intervention in learning strategies.

The course may address academic skill deficits enabling students to learn strategies to access the general curriculum and close educational gaps.

A student may repeat this course. The particular course requirements that the student should master each year must be specified on an individual basis and relate to achievement of annual goals. Instruction in subsequent courses should be designed to build upon students' previously mastered skills, not repeat previous course content.

## ZERO PERIOD & AFTER-SCHOOL PROGRAMS

### 5018 CAMPUS MINISTRY LEADERSHIP TEAM

**Course Length:** Year

**Grade Level:** 10,11,12

Campus Ministry Leadership provides formation for Christian leaders who will bring about transformation in our community and our world. Programs are modeled after Christ's example of forming disciples and sending them forth into the world. The goal is to serve. Campus Ministry Leadership class meets twice a week on Tuesdays and Fridays at 7:00 a.m. This class is designed for those students who are interested in gaining skills in leadership. This class receives .25 credit and is Pass/Fail.

### 5909 LEADERSHIP I

**Course Length:** Year

**Grade Level:** 10,11,12

*Prerequisite: Student must hold a student body or class office.*

This course is designed to give elected and appointed student body and class officers the opportunity to learn and apply leadership skills such as decision making, time management, communication, goal setting, and conflict resolution. Students are expected to practice these skills in planning class and/or school-wide events, in improving self-discipline, and in running their own student government. This class meets Zero period Monday and Wednesday and is required for all elected and appointed student leaders and requires the approval of the Activities Director.

### 5910 LEADERSHIP II

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: Student must complete Leadership I and hold a student body or class office.*

This course continues to teach and utilize those skills gained in Leadership I. The course affords the student the opportunity for personal development in self-esteem, stress management, and a sense of humor. A Leadership II student will learn to model and promote Christian ideals and good citizenship. Class meets Zero period Monday and Wednesday. This course is required for all elected and appointed student leaders and requires the approval of the Activities Director.

### 5915 LEADERSHIP III

**Course Length:** Year

**Grade Level:** 11,12

*Prerequisites: Student must complete Leadership II and hold a student body or class office.*

This course continues to teach and utilize those skills gained in Leadership II. The course affords the student the opportunity for personal development in self-esteem, stress management, and a sense of humor. A Leadership III student will learn to model and promote Christian ideals and good citizenship. Class meets Zero period Monday and Wednesday. This course is required for all elected and appointed student leaders and requires the approval of the Activities Director.



**0001 PAL (Peer Assistance Leadership)**

Grades 11, 12

Year Course (Pass/Fail)

*Prerequisite: Students must apply to the PAL program.*

Peer Assistance Leadership is a nationally recognized program that focuses on social understanding, personal well-being, and community participation. PAL members participate in constructive inquiry with peers, using decision making, critical thinking, resiliency building, and conflict resolution. PAL students learn to modify the influence of peer pressure to impact others positively, and ultimately, they make a difference in the lives of others. This course meets during zero period every other Friday. Additionally, students are required to attend an eight-hour training session held at the beginning of the school year and other various after school activities. A pass/fail grade will be earned for the school year.

\*NOTE: Every AP student is expected to take the AP exam in May. If for any reason a student cannot take the exam, they will be charged \$40.00 for the test that was ordered in the beginning of the year.