



COURSE DESCRIPTION CATALOG

2024 - 2025

JESUIT HIGH SCHOOL | 1200 JACOB LANE CARMICHAEL, CALIFORNIA 95608

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GRADUATION REQUIREMENTS

Required Courses for Graduation	Semesters
English	8
World Languages	6
Mathematics	6
Science	6
Social Sciences	6
Theology	7
Visual and Performing Arts	2
P.E.	2
Health Education	1
College Prep Electives	3
Service and Justice	6

Required Courses by Department, listed in the order to be taken:

English

English 1 or English 1XL
 English 2 or English 2H
 English 3: American Literature
 or AP English Language
 Senior English Electives (2 semesters)
 or AP English Literature

Mathematics

Algebra 1 or Algebra 1B
 Geometry or Geometry XL
 or Geometry B
 Algebra 2 or Algebra 2H or Algebra 2B

Electives:

Statistics or AP Statistics
 Financial Algebra
 Pre-Calculus (H) or Pre-Calculus
 (AP)
 Calculus (H) or AP Calculus AB
 or AP Calculus BC

World Languages

Three years of the same language *OR*
 Two years each of two different
 languages:
 French
 Spanish

Social Sciences

Human Geography
 or AP Human Geography
 United States History
 or AP US History
 Economics or Civics **plus** one
 additional Senior Elective or AP
 Econ or AP Government (total
 two semesters Sr. year)

Theology

Theology 1: Introduction to
 Catholic Christianity
 Theology 2A: God and Hebrew
 Scriptures
 Theology 2B: Who is Jesus? The
 Revelation of Jesus Christ in
 the Christian Testament
 Theology 3A: Christian Morality
 Theology 3B: Faith and Social
 Justice
 Theology 4: Ignatian Spirituality,
 Prayer and the Sacraments
 Senior Theology elective (one
 semester) or Liturgy Workshop
 (one year, replaces Theology 4)

Visual and Performing Arts (VPA)

Two semesters of coursework in a
 single VPA subject:
 Choral Music
 Art of Film A/B
 Digital Photography A/B
 Studio Art A/B
 Instrumental Music or Concert
 Band or Orchestra or
 Symphonic Band (audition
 required)

Science

Core courses (2 required):
 Biology or Biology XL
 Chemistry, AP Chemistry,
 or Chemistry in the
 Community

Electives (1 required):

Environmental Science
 AP Environmental Science
 Intro to Robotics
 Engineering
 Anatomy and Physiology
 AP Biology
 Physics
 AP Physics 1
 AP Physics 2

Physical Education

Two semesters of PE credit
 required:
 PE 1 w/ Health Ed.
 PE elective or PE credit
 from Athletic
 Department

Service & Justice

9th - service included in
 the Theology curriculum
 (6 hours, one semester)

 10th - service included in
 the Theology Curriculum
 (16 hours)

 11th - service included in the
 Theology curriculum (20
 hours)

 12th - Senior Service
 (minimum 30 hours through
 one of three tracks)

Required Courses by Year Level

FRESHMAN: (6 academic courses each semester)

English	2 sem
World Languages	2 sem
Mathematics	2 sem
PE w/ Health Ed	1 sem
Science	2 sem
Theology (and Service & Justice)	1 sem
Visual and Performing Arts	2 sem

SOPHOMORE: (6 academic courses each semester)

English	2 sem
World Languages	2 sem
Mathematics	2 sem
Science	2 sem
Theology (and Service & Justice)	2 sem
Social Sciences	2 sem

JUNIOR: (6 academic courses each semester)

English	2 sem
World Languages	2 sem
Mathematics	2 sem
Science	2 sem
Theology (and Service & Justice)	2 sem
Social Sciences	2 sem

SENIOR: (6 academic courses each semester)

English Electives	2 sem
Theology Electives	2 sem
Social Sciences Electives (incl. Civ or Econ.)	2 sem
Science/Math Electives	2 sem
College Prep Electives	4 sem
Senior Service and Justice	1 sem

The equivalent of one additional PE course is required and can be taken anytime sophomore-senior year, or fulfilled through co-curricular athletic involvement as laid out in the PE portion of the catalog (pgs 47-49).

Students interested in participating in athletics in college must check in with their counselor regarding NCAA requirements. Go to www.eligibilitycenter.org/courselist for a list of Jesuit's approved core courses.

GENERAL GUIDELINES

1. Students interested in XL/H/AP courses must meet minimum requirements to be eligible for consideration. Final determinations on placement will be made by academic departments taking into account current teacher recommendations. Placement is conditional; inconsistent or significantly lower performance in the second semester may endanger your placements in XL, honors or AP courses.
2. All students are required to have a total of 6 academic courses each semester plus a flex period.
3. Online courses may not replace a class offered at Jesuit High School except under special circumstances and may only be done with the prior approval of the Counselor, Department Chair, and the AP for Academics. Parents are responsible for determining if the course meets UC or other college acceptance requirements.
4. **Only courses pre-approved to be taken online or off campus or taken for remediation will be placed on the Jesuit transcript.** All other courses will not be posted, and no courses taken outside of Jesuit will be calculated in the student's Jesuit GPA.
5. Advanced Placement, Honors and XL Courses: When selecting an AP, Honors or XL level course, students should be aware of the rigorous academic demands and time commitment required for each course including summer work. They should check with their counselor and review their academic, athletic and personal commitments so they do not overextend themselves. Students are encouraged to take a challenging course load but one which must be balanced against co-curricular involvement. The broader the academic program, the more opportunities for college and career possibilities.
6. Consider carefully the classes chosen for both semesters of the upcoming school year. **The Master Schedule is built based on numbers of initial requests for each course and may limit requested changes later.**

THEOLOGY DEPARTMENT

Seven semesters of Theology are required for graduation. Students should choose next year's Theology classes according to the following guidelines:

- FRESHMAN YEAR - All students are required to take Theology 1: Introduction to Catholic Christianity
- SOPHOMORE YEAR - All students are required to take Theology 2A: God and Hebrew Scriptures and Theology 2B: Christian Testament
- JUNIOR YEAR - All students are required to take Theology 3A: Christian Morality; and Theology 3B: Faith and Social Justice
- SENIOR YEAR - All students are required to take Theology 4: Ignatian Spirituality, Prayer and the Sacraments PLUS one Theology elective

Theology 1: Introduction to Catholic Christianity	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9
Description: Theology 1 explores the Catholic-Christian understanding of God and how God reveals Godself through our deepest human longings, authentic reasoning, scripture, and through God's Incarnation in Jesus Christ. The course focuses on God's love and forgiveness, Jesus' expression of this love, and how the encounter with the life of Christ called St. Ignatius to conversion, a conversion that ultimately led to the formation of the Ignatian Spiritual Tradition and the Jesuit Order.	

Theology 2A: God and Hebrew Scriptures	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Successful completion of Theology 1	Year Level: 10
Description: In God and the Hebrew Scriptures, students will come to understand humanity's search for God, why people believe in God, and the reasonableness of faith. Students will study the events of salvation history as related in the Hebrew Scriptures from Creation and the Fall, through the age of the patriarchs and to the reign of King Solomon. They will explore how this history and experience of God is expressed in various literary forms throughout the texts and how these reflect the developing theology of the Jewish people. Ultimately, students will be challenged to see the reality of a creator God who is interested in human affairs, loves them personally, and invites them into relationship.	

Theology 2B: Christian Testament	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Successful completion of Theology 1	Year Level: 10
<p>Description: The purpose of scripture in general and the Christian Testament in particular is not simply to inform but to transform the reader. This scriptural invitation to a change of heart (<i>metanoia</i>), to living as disciples of Jesus, is the central focus of the course. This is a living Word through which one discovers what it means to be in relationship with God and neighbor.</p> <p>The course begins by examining the prophets of the Hebrew Scriptures, and then how the person of Jesus embodies this prophetic mission by exploring his baptism and temptation, his compassion and preaching, and his passion, death, and resurrection. In addition to deepening an understanding of the theological concepts of incarnation, suffering, salvation and the kingdom of God, the course develops in the student a more refined ability to read the Christian Scriptures intelligently in order to answer the fundamental questions: Who is Jesus? What did he teach? How does Jesus' life provide direction for a person living in this increasingly complex world?</p>	

Theology 3A: Christian Morality	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Successful completion of Theology 2A/2B	Year Level: 11
<p>Description: The aim of Christian Morality is to help students rightly form their consciences, guiding them in their growth as responsible followers of Christ. The course introduces students to the Catholic Christian vision of morality, including its moral values, virtues and beliefs. Students will learn how to make moral decisions in light of this Catholic Christian tradition and apply them to various moral issues of the day.</p>	

Theology 3B: Faith and Social Justice	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Successful completion of Theology 2A/2B and Theology 3A	Year Level: 11
<p>Description: The Faith and Social Justice course asks students to use the knowledge and skills gained from their sophomore scripture courses and their junior Christian morality course to understand social justice and the common good in the Catholic Christian tradition. Students will learn the "See, Judge, Act" method (Pastoral Circle), as well as the key principles and themes of Catholic Social Teaching. This vision of justice encourages students to engage in experiences that expands their awareness of the brokenness and sinfulness of our world and to analyze the social structures at the root of social injustice. An examination of key issues of the day will allow students, not only to grapple with complex issues that confront us, but also to see the hope and possibilities that exist for a better world formed by the wisdom of the Gospel. Ultimately this study will lead to the imperative that students become agents of change for justice and the common good in the world.</p>	

Theology 4: Ignatian Spirituality, Prayer and the Sacraments	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: Who am I now? Where am I going? How do I decide? In the Ignatian Spirituality, Prayer and the Sacraments course, Seniors will be given the opportunity to explore these persistent existential questions through the rich tradition of the Spiritual Exercises of St. Ignatius of Loyola, inviting students to explore Ignatius' vision of God, Ignatian prayer, and methods of discerning God's will in our lives. Ritual, particularly the sacraments of the church, will provide a vehicle for expressing together our experience on this journey into the big questions. It is hoped that this course brings a new perspective on the student's previous experiences at Jesuit in Theology, Service and Justice, and retreats in order to prepare for the next chapter of his life.</p>	

Theology 4: Introduction to Ethics	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: "Ethics is about exploring the human story: its joys, its sorrows, its conflicts. This exploration seeks a deeper understanding of the True, the Good, and the Beautiful, the three transcendentals that are at the heart of every authentic human desire. This course, then, is designed to equip students for the lifelong quest for God and the Good life. Our method will be the close examinations of stories, stories that come in the form of fiction, film, and treatise. The questions we will pursue are the questions that are found at the core of all human exploration: What is real? What is Good? Why be Good? And why does any of this matter anyhow?"</p>	

Theology 4: World Religions	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective) NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: This course examines the major religious traditions in the contemporary world: Hinduism, Buddhism, Judaism, Islam, Christianity, and others. The cultural, historical, political and spiritual aspects of each religion will be explored with a focus on their specific religious expressions. The historical foundations, major themes, basic beliefs, sacred writings, and various rituals of each tradition will be discussed. Additionally, this course will help the students in their introductory college level social studies, liberal arts, and philosophy classes.</p>	

Theology 4: Faith and Science	Duration: One Semester
UC/CSU Approved: <i>Pending</i> NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Theology 3A/3B	Year Level: 12
<p>Description: In Faith & Science, students will examine the relationship between the faith that leads to religious belief and human reason. They will then explore the tension between science and religious belief and be challenged to see them as compatible realms of knowledge. The course will begin by examining classical arguments for atheism (evil, religion, etc.) and see that belief in God is at its root rational. It will then explore the ways in which science and the belief in a creator God are not only consistent, but mutually productive—from faith we can learn about the nature of the cosmos, and from scientific exploration, we can learn about God.</p>	

Theology 4: Liturgy Workshop	Duration: Two Semesters
UC/CSU Approved: No; NCAA: No	Type of Course: Elective (substitutes for required core course and elective)
To be eligible for consideration: You must complete the application and audition process to be admitted to Liturgy Workshop. If you have any questions, please see Mr. Ed Trafton.	Year Level: 12
<p>Description: This two semester course gives students the basic scriptural, liturgical, communications, musical, and ministerial skills necessary for planning vibrant, nourishing liturgies. Students will become competent liturgical ministers and music ministers for the Catholic Church of the twenty-first century. Class members will discover the richness of Catholic ritual through hands-on preparation and execution of liturgies in school and parish settings. Students will acquire an academic understanding of the history, nature, structure, and rationale underlying Catholic liturgy. Students will study and reflect on their faith experience within the context of Ignatius' vision of God and prayer. Ritual, particularly the sacraments of the church, will provide a lens through which we explore and serve the prayer life of the Jesuit High School community.</p>	

SERVICE AND JUSTICE PROGRAM

The Service and Justice Program is designed to form students as men for and with others. We provide a program structure that:

- Creates opportunities for students to experience solidarity with people who are poor and marginalized;
- Encourages students to attend to and understand the needs of the created world;
- Supports students in the development of habits of reflection and skills of social analysis that help them work for social change;
- Assists students in connecting their lives of faith, Catholic Social teaching, and the needs of the communities of which they are a part.

Freshman Service and Justice	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: See below	Year Level: 9
<p>Description: The freshman year Service and Justice requirement is minimal (6 hours), but focused. The students' service is coordinated with their Theology 1 class, and involves a day of in-class preparation, a morning serving in the Sacramento community, and follow-up reflection and orientation to the Service and Justice Program (this "Day of Service" is required). Students are then required to complete an additional three hours of service outside of school hours following the guidelines established and explained in their orientation.</p>	

Sophomore Service and Justice	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: See below	Year Level: 10
<p>Description: Sophomores are required to complete at least 16 hours of Core Service, in which students are significantly engaged with people experiencing hunger, homelessness, poverty, physical or developmental disability, isolation due to old age or illness, or service that promotes environmental justice. The students' service is coordinated with their Theology 2A/2B classes, although students are invited to begin their service the summer before their sophomore year.</p>	

Junior Service and Justice	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: See below	Year Level: 11
<p>Description: Juniors are required to complete at least 20 hours of Core Service at no more than two sites, in which students are significantly engaged with people experiencing hunger, homelessness, poverty, physical or developmental disability, isolation due to old age or illness, or service that promotes environmental justice. The students' service is coordinated with their Theology 3A/3B classes, although students are invited to begin their service the summer before their junior year.</p>	

Senior Service and Justice	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: See below	Year Level: 12
<p>Description: Seniors have three options for completing Senior Service and Justice:</p> <ul style="list-style-type: none"> A. Immersion B. Period 4 Service Class (Sem 1 or Sem 2) with placements in the local community C. Independent Study - Students must meet with Ms. Brabec to discuss their plans. Students who do not meet with Ms. Brabec will automatically be enrolled in Period 4. Students with a history of being unable to meet quarter benchmarks for Sophomore and Junior Service will not be eligible for Independent Study. <p>Students will select one option for completing a minimum of 30 hours of service. Detailed descriptions of each option are available from Counselors and the Office of Service and Justice.</p>	

VISUAL AND PERFORMING ARTS DEPARTMENT

Development of imagination and creativity are central to the educational process at Jesuit High School, where the arts make a vibrant contribution to the curriculum.

Because of Jesuit's commitment to the arts, freshmen complete their VPA requirement, and sophomores, juniors and seniors are encouraged to continue their exploration, either through electives or co-curricular activities. All students are required to complete two semesters of VPA *in the same subject area*.

Jesuit offers exciting courses for all students in studio art, film, digital photography, music and drama, including advanced placement courses in Music Theory and Studio Art.

VISUAL ARTS COURSES

Studio Art 1A/1B - Introduction to Drawing / Painting	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Core Course
To be eligible for consideration: Studio Art 1A - N/A; Studio Art 1B requires successful completion of Studio Art 1A	Year Level: 9-12
<p>Description: This course is designed to give beginning art students a basic understanding of drawing and painting. It introduces them to the fundamental elements involved in art, such as the use of line, value, texture, composition, scale, proportion, perspective and foreshortening. Students also learn how to use different media; for example, charcoal, pencil, ball-point pen, pastel, brush & ink, watercolor, and acrylic. Students will be introduced to numerous cultural and historical styles and concepts. Students are given a broad range of subject matter to which they may apply these elements and media; various still-life set-ups, landscape and the figure, all of which will provide the framework for students to expand on their skills, strengthen their personal artistic vision, and broaden their understanding of art. Through critiques, students will display the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture, and history.</p>	
Studio Art 2A/2B - Intermediate Drawing / Painting	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Studio Art 1A/1B	Year Level: 10-12
<p>Description: This course designed to allow students to broaden their knowledge of media and art skills and to apply this knowledge to strengthen their ideas and concepts. This course will continue to explore representational art through observational drawing and painting and introduce the student to non-representational art methods and concerns. The student will also explore conceptually based art work. The course will be based on a given series of projects to which the student responds. Students will be introduced to numerous cultural and historical styles and concepts. All students, on certain projects, will use the same medium for the work; on other projects students will search for the medium that they feel best expresses the intent of the project and / or the conceptual concerns present in the work. Students in the second semester will propose a series of work based on ideas / concepts generated by the student, all of which will provide the framework for students to expand on their skills, strengthen their personal artistic vision and broaden their understanding of art. The student chooses the media and method of execution that best expresses the intent of the proposed work. The student completed a series of studies prior to beginning each project. Through critiques, students will broaden the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture, and history.</p>	

Honors Art Studio	Duration: One Year
UC/CSU Approved: Pending (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of Studio Art 2A/2B or instructor approval	Year Level: 10-12
<p>Description: The Honors Art Studio course is an advanced class that functions as a stepping stone to AP Studio Art, or at least an opportunity for students to deepen their knowledge of and skills in various media from previous art courses. The course provides further understanding of a breadth of forms and topics in the visual arts that requires a more intensive study and output than prior courses in the sequence. This course will prepare students for more advanced study in the areas of drawing, painting, sculpture, and mixed media arts. As well, students will begin portfolio development for future AP Studio Art course(s) and college portfolio submission. This class is project based and hands on. Emphasis is placed on understanding of critique processes, evaluation utilizing the elements and principles of art making, research of art historical figures, and professionalism of finished product.</p>	

AP Studio Art: Drawing	Duration: One Year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of Studio Art 2B and instructor approval	Year Level: 11-12
<p>Description: The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year. The three portfolios correspond to the most common college foundation courses. Students may choose to submit any or all of the Drawing, 2-Dimensional Design, or 3-Dimensional design portfolios. Students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. Go to AP Studio Art for more information.</p>	

The Art of Film A/B	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Art of Film A - N/A; Art of Film B requires successful completion of Art of Film A	Year Level: 9-12
<p>Description: This course is designed to give the student a basic "cine-literacy." Students will explore the major language systems and spectrum of techniques used by filmmakers in conveying meaning, all the while viewing, analyzing, critiquing, and appreciating several major films of the twentieth and twenty-first century. First semester students will learn the work of well-known directors of major films in film history, and they will learn the use of the camera, lighting, sound and setting in films, and the rudiments of film and video production. Second semester students learn how to engage in close reading of films, the cinematic terminology associated with film, and begin to build a historical knowledge of the development of film and film history. Besides the daily viewing and critiquing of major films, students explore previsualization techniques such as storyboarding and screen writing. Using numerous film-clip examples as well as several full length films, students will learn the basics of film analysis and appreciation and the skills necessary to produce effective verbal and written responses.</p>	

Digital Photography 1A/1B	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Digital Photography 1A - N/A; Digital Photography 1B requires successful completion of Digital Photography 1A	Year Level: 9-12
<p>Description: In this introductory two-semester course, students develop proficiency in composition, acquire mastery of camera settings, and explore photo editing and manipulation.</p> <p>The course begins with a focus on composition principles, followed by a progression towards mastering manual camera settings, including aperture, shutter speed, ISO, and white balance. The course covers various natural and artificial lighting techniques, to instill the importance of strong lighting in photography. Students are guided through the basics of portrait, landscape, architectural, and still life photography, while emphasizing how to use the rules and expectations of the genres to express their own unique narratives and voices. Students are also introduced to the pioneers of photography and learn to draw inspiration from their work.</p> <p>Throughout the year practical skills in Adobe Lightroom for photo organization and post-processing are paired with an exploration of Adobe Photoshop, encompassing retouching, compositing, special effects, and double exposure. Through hands-on projects and feedback, students refine their creative and technical skills. Throughout the year Students learn how to publish and showcase their work in an online portfolio. Through a combination of hands-on activities, technical instruction, and artistic exploration, students will develop the skills and vision needed to excel in the field of digital photography.</p> <p><i>This course is limited in size and incoming freshman students are given priority.</i></p>	

Digital Art 1A/1B - Photoshop	Duration: Two Semesters (one year curriculum)
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Digital Photography 1A/1B	Year Level: 10-12
<p>Description: In this intermediate two-semester course, students apply their knowledge of Digital Photography with the transformative possibilities of Adobe Photoshop. Students start the semester building on the Photoshop skills they acquired in Digital Photography 1A/1B. Students continue to master the use of photography equipment like cameras, lenses, and lights and will be introduced to new equipment like drawing tablets.</p> <p>In the first semester students express their creative vision by mastering the building blocks of art: line, color, shape, texture, space, and tone. As the course progresses into its second semester, the focus shifts towards advanced techniques, with a particular emphasis on photo compositing in Photoshop. Students acquire a knowledge of art history and appreciation through assignments that draw inspiration from diverse art genres such as surrealism and pop art. Students emerge from the Digital Art class with a comprehensive skill set and a newfound ability to use digital art to express their own creative voice.</p>	

AP 2-D Art and Design	Duration: One year
UC/CSU Approved: Yes; NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of Digital Art 1A/1B and instructor approval	Year Level: 11-12
<p>Description: This is a full-year course developed to accommodate students who have demonstrated a strong interest and commitment to excel in camera and computer generated artwork. These students will complete an AP 2-D Art and Design portfolio with an emphasis on camera and computer generated media. Research, field trips, regularly (at least biweekly) oral and written critiques will be integral parts of this course. All students will submit a portfolio at the end of the course that has followed the AP Art and Design Portfolio Submission requirements. With direct teacher instruction, the emphasis will be placed on the development of the AP Portfolio. The students will complete both sections (Sustained Investigation and Selected Work Quality Section) of the portfolio.</p> <p>This course will emphasize ongoing documented experimentation with design concepts, composition, and media that uses ‘Design Journals (DJs)’ (sketchbooks). Students will use these DJs daily, and they will be the core source of ideation and documentation of their artmaking. Artist growth, ideas, and final artworks will be investigated through the use of these books.</p> <p>As a part of this course, students must develop their own personal voice. Mastery of concepts, composition, execution, varied art mediums, mixed media, and themes, concepts, subject matter, and content are an expected outcome. Students will understand that creating and developing art is a constant, ongoing activity that involves personal decision making. Students will understand that in order for their artwork to achieve quality in concept, composition, and execution, it includes much risk taking, experimenting, and research. This risk-taking process will be documented in their Design Journals (DJs).</p> <p>Artistic Integrity, copyright, professional ethics, moving beyond duplication, and plagiarism will be discussed on an ongoing basis and are embedded throughout the course, and in core instruction of the course.</p> <p>Throughout the course students are encouraged to work from their individual direct life observation of things in their exterior and interior world and their environment.</p>	

Drama ^{NEW}	Duration: One year
UC/CSU Approved: Pending; NCAA: No	Type of Course: Elective
To be eligible for consideration: Audition; see Mr. Trafton for information	Year Level: 9-12
<p>Description: Jesuit Drama produces student-centered, process-oriented work in the Ignatian tradition. Under the leadership and care of trained theater professionals, Jesuit Drama students come together and work according to five core values: Collaboration, Creativity, Respect, Responsibility, and Service. The program produces at least three shows a year: a fall play, a winter musical, and a spring showcase. There are several opportunities for students to participate both on and offstage. Students who participate in Jesuit Drama will receive transcript credit.</p>	

Desktop Publishing - Yearbook Design and Publication	Duration: One year
UC/CSU Approved: Yes; NCAA: No	Type of Course: Elective
To be eligible for consideration: Instructor approval; see Mr. Chandley for information	Year Level: 10-12
<p>Description: <i>The Cutlass</i>—named for a Marauder’s sword—is Jesuit High School’s yearbook, published annually and distributed free to all students and staff. Now in its 58th volume, <i>The Cutlass</i> has grown into a top-notch digitally-designed publication, using the most cutting-edge graphic design software from Adobe. If you have an artistic eye, if you like photography or graphic design, or if you are a good writer who would like to become a part of chronicling our collective stories, then come join one of the most fun and rewarding activities on campus. We want guys who are smart, hard-working, good-humored, ambitious, and team-oriented.</p>	

PERFORMING ARTS COURSES

Instrumental Music - Beginning Band and Strings	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: N/A	Year Level: 9-12
<p>Description: Students will discover the world of music through hands-on work with a concert band instrument. Music terminology, rhythmic figures and basic reading skills will be learned to further enhance this experience. Instrumental Music is considered a performing group. Students will develop and refine individual skills to prepare them to function as a member of a musical ensemble. Students are required to perform in concert venue performances. Various wind instruments are offered to students to perform on through the class. Successful completion of this course will give the student the skills necessary to enroll in one of the intermediate music course offerings such as Concert Band, symphonic band, marching band, jazz band, evening orchestra.</p>	

Concert Band	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Instrumental Music and/or permission of instructor. Prerequisite requirements can be waived for incoming freshmen through successful audition.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of contemporary music of the 20th century. It is designed as both a performance class and an intermediate level instructional course for brass, woodwind, and percussion players. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble.	

Symphonic Band	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Concert Band and/or permission of instructor. Students must audition for placement in this course. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an advanced level instructional course for wind, percussion, and keyboard players. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble. Students must be concurrently enrolled in Marauder Band. (or separate music performance course if conflict exists and prior approval by instructor).	

Symphonic Band (Honors)	Duration: One year
UC/CSU Approved: <i>Pending</i> (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of Concert Band and permission of instructor. Students must audition for placement in this course. Prerequisite requirements can be waived for incoming freshmen through a successful audition. Students must be concurrently enrolled in Marauder Band.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an advanced level instructional course for brass, woodwind and percussion players. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble. Solo and small ensemble performances will be required, as well as representing Jesuit off campus at NCBA and CMEA performances.	

Orchestra	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Instrumental Music and permission of instructor. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an intermediate level instructional course for wind, percussion, and keyboard players. The class may include normal string, brass, woodwind, and percussion instruments or be limited to MIDI instruments only. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble.	

Orchestra (Honors)	Duration: One year
UC/CSU Approved: <i>Pending</i> (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of Orchestra and permission of instructor. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of western music from baroque times through contemporary music of the 20th century. It is designed as both a performance class and an advanced level instructional course for wind, percussion, and keyboard players. The class may include normal string, brass, woodwind, and percussion instruments or be limited to MIDI instruments only. Study will include, but not be limited to, listening, lecture, and actual public performance. During the year, students will develop and refine individual skills as well as developing as a musical ensemble. Solo and Small Ensemble Performances will be required as well as co-curricular participation in our evening Symphony Orchestra ensemble.	

Evening Orchestra	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Orchestra and permission of instructor. Prerequisite requirements can be waived for incoming freshmen through a successful audition. This is a co-curricular ensemble and meets outside the school day.	Year Level: 9-12
Description: This one-year course is designed to explore the major musical styles of western music from the late Classical period through contemporary music of the 20th century. It is designed as solely as a performance class and an advanced level instructional course for wind, brass, string and percussion players. Study will include rehearsal and performance of late classical and Romantic literature written for full orchestra. During the year, students will develop and refine individual skills as well as developing as a musical ensemble. Co-Curricular enrollment in Orchestra (Honors) is required for Honors credit in the Evening Orchestra ensemble.	

Marauder Marching Band	Duration: One semester (Fall)
UC/CSU Approved: No; NCAA: No	Type of Course: Activity
To be eligible for consideration: Concurrent enrollment in Concert Band or Symphonic Band and Instructor Permission	Year Level: 9-12
<p>Description: Marauder Band is open to students who have previously enrolled or are taking either Concert Band or Symphonic Band but is a required part of Honors Symphonic Band. Previous experience on an instrument is required, but there is no audition. The Marauder Band is the core of our marching program. It takes place during afternoons on Tuesdays and Fridays and allows us to combine the Concert and Symphonic Bands on the field for marching practice after the school day. This allows for students to continue their study of musicianship during the school day and focus on marching skills after school. The Marauder band performs in both parade and field show marching curriculums. Students in the Marauder Band are expected to be in another performance ensemble during the school day. (Jazz Band, Marching Band, Concert Band, Symphonic Band, Orchestra etc.)</p> <p>NOTE: <i>This course meets after school, not during the regular school day; it does not count toward the required six academic classes students need to take each semester.</i></p>	

Jazz Ensemble (Honors) & Jazz Ensemble (Non-Honors)	Duration: One year
UC/CSU Approved: <i>Pending</i> (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of Concert Band and permission of instructor. Students must audition for placement in this course. Prerequisite requirements can be waived for incoming freshmen through a successful audition.	Year Level: 9-12
<p>Description: This one-year course is designed to explore the major traditional and contemporary styles of jazz music of the 20th century through listening and performance. It is designed as both a performance class and the most advanced level instructional course for wind, percussion, and keyboard players.</p> <p>NOTE: <i>This course meets during zero period, not during the regular school day; it does not count toward the required six academic classes students need to take each semester.</i></p>	

Choral Music	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: N/A	Year Level: 9-12
<p>Description: This one-year course is designed to provide the basic vocal and musical foundations necessary for a student to participate as a member in a choral ensemble. This course is open to all students with a sincere desire to sing; no prior training in music is required. In this course, students will develop essential skills in vocal technique and music literacy, as well as perform choral music in a variety of styles. As a performing arts class, students are required to perform in multiple performances outside of the school day, including formal concerts, school and community events, and adjudicated festivals. Successful completion of this course will give a student the necessary skills to continue in additional choral ensembles in the Jesuit High School Choral Program.</p>	

Concert Choir	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Elective
To be eligible for consideration: Successful completion of Choral Music with a B or better and permission of instructor. An audition may also be required.	Year Level: 10-12
<p>Description: This one-year course is designed to provide the intermediate vocal and musical foundations necessary for a student to participate as a member in a choral ensemble. This course is open to students who have successfully completed Choral Music. In this course, students will continue to learn and refine essential skills in vocal technique and music literacy, as well as perform choral music in a variety of styles. As a performing arts class, students are required to perform in multiple performances outside of the school day, including formal concerts, school and community events, and adjudicated festivals. Successful completion of this course will give a student the necessary skills to continue in an advanced choral ensemble in the Jesuit High School Choral Program.</p>	

Chamber Choir (Honors)	Duration: One year
UC/CSU Approved: <i>Pending</i> (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Audition, application, successful completion of Choral Music and Concert Choir recommended or instructor permission	Year Level: 10-12
<p>Description: Chamber Choir is the honors performance ensemble of the Jesuit High School Choral Program. This advanced course is open to students who have successfully completed or are concurrently enrolled in Concert Choir, as well as passed an audition. In this course, students will perform a vast and diverse repertoire of advanced choral music, while continuously developing advanced vocal technique and music literacy skills. As an advanced-level performing arts class, students are required to commit to an extensive rehearsal and performance schedule outside of the school day that includes formal concerts, school and community events, adjudicated festivals, and tours. Successful completion of this year-long course will earn a student UC-approved honors credit.</p> <p>NOTE: <i>This course meets before school, not during the regular school day; it does not count toward the required six academic classes students need to take each semester.</i></p>	

AP Music Theory	Duration: One year
UC/CSU Approved: Yes (Area F - Visual & Performing Arts); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Students must have a recommendation from their current music teacher and receive instructor approval for this course. See Mr. Reyes with questions.	Year Level: 10-12
<p>Description: This one-year course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The course will seek to instill mastery of the rudiments and terminology of music, including notation; intervals; scales and keys; chords; metric organization and rhythmic patterns. Students will listen to a wide variety of music, including not only music from standard Western tonal repertoire, but also contemporary, jazz, and popular music, and the music of non-western cultures.</p>	

ENGLISH DEPARTMENT

Jesuit High School requires eight semesters of English for graduation. The goals of the department are twofold. The primary focus is to assist the students in developing an increasing control, power, and purpose over their written work. Students will learn to respond to a variety of writing "occasions" in clear and precise prose which exhibits an individual voice and focus. The second goal is to expose students to a body of accumulated literature and various displays of humanity therein. The goal is to experience literature of lasting human value which ultimately leads to a conclusion that humanity is of inestimable worth, that we live in a universe which is constantly unfolding and revealing itself to us, and that we are called in all instances to be human and merciful and just.

English 1XL placement is determined by previous grades in middle school/junior high, the HSPT scores, and score on the Jesuit English 1XL challenge test.

English 2H, AP English 3, and AP English 4 courses in the English Department have specific requirements. To be eligible for consideration, students in XL, honors, and AP courses must have at least a B+ for the Fall Semester grade. Students in regular English courses must have a Fall Semester grade of at least an A- to be eligible for consideration. Placement may also be determined by recommendation from current teacher(s). **Any significant drop off in academic performance during the second semester may endanger your placements in XL, honors or AP courses.**

English 1	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9
Description: The freshman English course is an introduction to the study of language and literature. Specifically, the course is founded on the reading, discussion, and composition of texts to better inform students' understanding and ownership of our common language. The overarching goal of the freshman course is to instill a confidence with and affinity for English through varied writing and reading experiences. Students will read essays, articles, short stories, novels, poems, and a Shakespeare play. Students will write in expository, argumentative, and narrative modes, for various purposes, and with specific guidance and instruction in developing skills needed throughout the writing process.	

English 1XL	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Accelerated Core Course
To be eligible for consideration: English Language Arts grades for 7th/8th grades, HSPT scores for Language, Reading and Vocabulary, and results of the English Challenge Test	Year Level: 9
Description: This course is an accelerated version of the normal freshman English curriculum; students will follow the normal course but in greater detail, greater quantity, and with greater rigor. This course requires a high level of student involvement and accountability in reading, writing, and classroom participation. Placement into English 1XL will be determined by previous grades in middle school/ junior high, HSPT scores, and score on Jesuit's English Challenge Test.	

English 2	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of English 1, English 1XL	Year Level: 10
<p>Description: The sophomore English course reinforces the course of study begun in the freshman year by exploring more complex texts and developing more advanced language awareness and skills. Students will once again read essays, articles, short stories, novels, poems, and plays, learning to analyze them from literary and rhetorical perspectives. Students will also write increasingly more complex expository, argumentative, and narrative essays, both in response to their reading and in exploration of other topics.</p>	

English 2 Honors	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: To be eligible for consideration, students in English 1 XL must have at least a B+ for the Fall Semester grade. Students in regular English 1 must have a Fall Semester grade of at least an A-. Placement may also be determined by recommendation from current teacher(s).	Year Level: 10
<p>Description: This course is an accelerated version of the normal sophomore English curriculum; students will follow the course of study for sophomore year but in greater detail, greater quantity, and with greater rigor. Students will broaden their understanding and appreciation of increasingly more complex forms of literature and writing in a variety of genres and with a variety of themes. This course requires a high level of student involvement and accountability in supporting opinions and views.</p> <p>NOTE: <i>This course is a revision of English 2XL from prior years; it replaces 2XL, and students who take it will be eligible for UC honors credit.</i></p>	

English 3: American Literature/Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of English 2 or English 2 Honors.	Year Level: 11
<p>Description: In our country's relatively short history, many voices have contributed to an expansive dialogue about what it means to be an American, trying to capture the essence of the American experience. In the junior English course, students will read, analyze, and synthesize essays, poems, short stories, plays, novels, and other texts with the goal of arriving at complex, deep understandings of our country's identity through its literature. Students will develop their skills as writers by writing in varied contexts and for varied purposes; narrative, expository, and argumentative writing will again be the main modes of discourse, but students will learn to mix and match modes of development to suit their purpose. The specific focus on American literature is also intended to support and complement students' study of American history in their junior-year social science course.</p>	

AP English 3: Language and Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Students in English 2 Honors must have at least a B+ for the Fall Semester grade. Students in regular English 2 must have a Fall Semester grade of at least an A-. Placement may also be determined by recommendation from current teacher(s).	Year Level: 11
<p>Description: The Advanced Placement course in English Language and Composition aims to provide students a series of learning experiences that parallel an introductory composition course offered at most colleges and universities. This means that, unlike most other high school English courses, the primary focus is on reading and writing nonfiction pieces in and for various contexts. By the end of the course, students will have written numerous fully processed essays in various modes and for various purposes, not merely a series of literary analysis papers. The expectation is that students bring all they have to bear on a given reading or writing task, showing evidence of “a mind at work” and a willingness to not just meet requirements but soar above them. As the culminating experience for this course, students are expected to take the Advanced Placement exam in English Language and Composition in May; a passing score on this exam may earn the student college credit.</p> <p><i>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</i></p>	

AP English 4: Literature and Composition	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Students in English 3AP must have at least a B+ for the Fall Semester grade. Students in regular English 3 must have a Fall Semester grade of at least an A-. Placement may also be determined by recommendation from current teacher(s).	Year Level: 12
<p>Description: The Advanced Placement course in English Literature and Composition aims to provide students a series of learning experiences that parallel an introductory English literature course offered at most colleges and universities. By the end of the course, students will have read broadly from a selection of poems, short stories, novels, and plays from writers representing a diversity of eras and perspectives. The focus of students’ reading will be on form, content, and meaning. Students will also work to hone the skill of writing for the literature classroom, especially analytical writing that stems from close reading. The expectation is that students taking this course are engaged, inquisitive readers who can make connections and support interpretive claims with evidence. As the culminating experience for this course, students are expected to take the Advanced Placement exam in English Literature and Composition in May; a passing score on this exam may earn the student college credit.</p> <p><i>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</i></p>	

English 4: The Hero's Journey in Myth, Literature & Film	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: Prometheus ... Dr. Frankenstein ... Hamlet ... Batman ... Icarus ... Luke Skywalker ... Ebenezer Scrooge ... Dante ... Fox Mulder ... Odysseus ... Indiana Jones ... Leander ... Gilgamesh ... Truman Burbank... This senior English elective traces the evolution of Heroes as they progress from the earliest mythic stories of ancient civilizations to their modern-day counterparts in literature and film. Using a wide variety of excerpts as examples, we will apply the principles of archetypal criticism to each work as we discuss the path of the hero, the anti-hero, his shadow, and his feminine counterpart, all the while connecting their stories to our own stories of initiation, growth, quest, challenge and victory.</p>	

English 4: The Short Story	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: This course will focus on the strategies and tools used to create short fiction. As a process of writing their own short stories, students will read and analyze fiction. Students will also explore the different elements and genres of the short story as a way to find their own style and voice. While the reading and studying of the writers is a valuable aspect of the course, the final outcome is for each student to have a polished draft of an original work. Thus, the course will, at times, be conducted as a workshop where collaboration is required. The only requirements for this course are creativity and a love for reading and writing.</p>	

English 4: Psychological Realism (Aesthetic Horror)	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: Most of us enjoy a good scare—under the right circumstances. This course examines the genre of aesthetic horror to understand how, when, why, and under what circumstances we willingly subject ourselves to terrifying, horrific, and repulsive stories. By studying the works of writers such as Edgar Allan Poe, H. P. Lovecraft, Stephen King, Shirley Jackson, William Peter Blatty, Margaret Atwood, and Peter Straub, the films of directors like James Whale, John Carpenter, Wes Craven, and James Wan, and oral performances such as those produced by Dark Adventure Radio Theatre, we will identify what is horrifying for particular cultures at particular time periods in order to understand the personal appeal and social value of aesthetic horror.</p>	

English 4: Detective Fiction	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: Most everyone loves a good mystery. A good riddle. A tough case. A head-scratcher. A “pot-boiler.” What is it about this genre that has captivated readers for hundreds of years, creating generation after generation of loyal fans, amateur sleuths and arm-chair detectives? Find out on a one-semester journey through case-files, short stories, novels and films, and meet the world’s greatest detectives as they solve their greatest cases. Sharpen your observing eye, match wits with master criminals, and try to solve the seemingly unsolvable!</p>	

English 4: Poetry	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: This course provides an intensive introduction to the theory, criticism, composition, and performance of poetry. Students will read, listen to, analyze, write, and recite poetry in both the narrative and lyrical modes. Students will become familiar with a variety of poetic forms, including the ballad, ode, sestina, and sonnet, as well as examples of free verse. Students need not have prior experience or special aptitude, just a willingness to develop an understanding and appreciation of poetry.</p>	

English 4: Classical Myth	Duration: One Semester
UC/CSU Approved: Yes (Area B - English); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of English 3: American Lit and Comp or AP English Language	Year Level: 12
<p>Description: Tales of gods, heroes, and monsters from Greek Mythology are those which we have all loved from our youth. This one-semester senior elective English course will focus on the mythology of the Olympian gods and their interaction with humans, in heroic sagas and quests (Hercules, Jason, Trojan War, Odysseus), and in the famous figures within the ancient families (Atreus, Oedipus). How mythology has manifested itself in ancient drama, in our everyday language, and in European art will form key components of the course. Special topics include the development of ancient drama, the nature of sacrifice for ancient peoples, and an individualized research project. Roman mythology and an introduction to Norse mythology will also be covered.</p>	

WORLD LANGUAGES DEPARTMENT

The World Languages Department offers three world languages, French, Spanish, and classical Latin. Three years of one language, or two years each of two languages, are required for graduation. Four years are offered and encouraged in all languages. **Note: The criterion for enrollment in all levels other than level 1 is listed below.** Please check with your current instructor if you have any questions. **Any significant drop off in academic performance during the second semester may endanger your placements in XL, honors or AP courses.**

AP Latin 4	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of Latin 3H with a grade of B- or better both semesters	Year Level: 12
<p>Description: AP Latin 4 prepares the student for the Advanced Placement Examination in Latin in the spring of his senior year. This is a selections course in Vergil's <i>Aeneid</i> and Caesar's <i>Gallic Wars</i>. Students will be undertaking a college-level course of study and, upon its successful completion, will enter college with a significant grounding and substantial ability in Latin. Instruction in this course is designed to help students accomplish several core objectives, in addition to acquiring proficiency in advanced Latin grammar. Each student's skills in composing both the long and the short essay will be developed. By the end of the course, students will be expected to have a recognition vocabulary of 1000+ Latin words without prompting. Students will become familiar with the meter (Vergil only), stylistic devices, and figures of speech employed by both authors. A thorough examination of the historical, social, cultural and political backdrop for each author's work will be covered. Students will be investigating such global themes as Literary Genre and Style, Roman Values, War and Empire, and Views of Leadership in order to obtain an in-depth perspective on ancient Roman culture and traditions. Students will also be working toward achieving facility in Latin sight translation, both poetry and prose.</p>	

French 1	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9, 10
<p>Description: The course introduces the basic grammatical structures of the French language and develops listening, speaking, reading and writing skills, as students learn vocabulary pertaining to simple, selected topics of discussion. An introduction to the culture of France and other French-speaking countries is an integral part of the program.</p>	

French 2	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of French 1 with a grade of C- or better both semesters	Year Level: 10, 11
<p>Description: The course is designed to continue the mastery of basic linguistic structures and further develop and strengthen the communication skills in French. Grammar, vocabulary, pronunciation and cultural information are organized around this purpose. Speaking, listening, reading and writing skills will be developed through greater usage of the target language; films, audio, music and online resources are utilized to enhance acquisition.</p>	

French 3	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of French 2 with a grade of C- or better both semesters	Year Level: 11, 12
Description: This course is designed to continue to reinforce and expand the student's fluency (speaking, writing, reading, and listening) in French. After a comprehensive review of and using the knowledge acquired during the first two years, the students will continue to study culture of the Francophone world and more complex grammar structures.	

French 3 Honors	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of French 2 with a grade of B+ or better both semesters AND teacher recommendation	Year Level: 11, 12
Description: This course is designed to deepen the four communication skills in French as well as prepare students for French 4 AP. The course will help the students, via the three modes of communication (interpretative, interpersonal, and presentational), to strengthen: a) Practical speaking skills; b) Listening skills (understand more complicated exchanges such as newscasts, advertising); c) Reading skills (including reading a short novel in French); d) Writing skills. Students will continue to expand their knowledge of the many cultures of the Francophone world.	

French 4	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of French 3 with a B- or better both semesters or French 3 honors with a grade of C- or better both semesters	Year Level: 11, 12
Description: French 4 will emphasize and expand communicative proficiency (oral and written); solidify the foundational structures and thematic vocabulary acquired the previous three years; develop a deeper awareness of the francophone world and its products and practices; introduce more advanced language structures; enrich vocabulary. Students will improve oral proficiency through daily, thematic conversational practice as well as their presentational skills.	

AP French 4: French Language and Culture	Duration: One Year
UC/CSU Approved: Yes Area E - LOTE); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of French 3H with a B+ or better both semesters AND teacher recommendation	Year Level: 12
<p>Description: The French 4 AP course is designed for those who have chosen to develop their proficiency in French. The course emphasizes the use of language for active communication and has the following objectives: a) the ability to understand spoken French in various conversational situations; b) development of a French vocabulary sufficient for reading newspaper and magazine articles, literary texts and other non- technical writings without dependence on a dictionary; c) ability to express oneself in French both in speech and in writing accurately and resourcefully with reasonable fluency; d) deepen knowledge and appreciation of the francophone world. The course content reflects intellectual interests shared by the students and teacher (arts, current events, literature and sports). This course prepares students to take the AP French Language Exam.</p>	

Spanish 1	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9, 10
<p>Description: The course is designed to introduce and lay the foundation of the Spanish language and the Hispanic world. These objectives are accomplished through a variety of activities: cooperative learning drills, oral and written assignments; and reading and listening comprehension exercises.</p>	

Spanish 1XL	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Accelerated Core Course
To be eligible for consideration: Prior Spanish experience and Spanish department placement exam (see Calendar for date) <u>or</u> by petition for students with qualifying HSPT scores and no prior experience.	Year Level: 9
<p>Description: Spanish 1XL is an accelerated version of Spanish 1. This course is designed to be the first step in preparing students for the College Board's AP test taken after the completion of Spanish 4AP. Course instruction will be conducted in a manner to develop greater facility with the four principle areas of language acquisition: reading, writing, listening, and oral comprehension. Furthermore, this course will set the foundation for competency in the three modes of communication (interpretative, interpersonal, and presentational) as defined by the Standards for Foreign Language Learning in the 21st Century. Eligibility determined by A) prior Spanish experience and Spanish department placement exam (see calendar for dates) <u>or</u> B) by petition for students with qualifying HSPT English scores and no prior experience. Prior Spanish experience is not a requirement for this course.</p>	

Spanish 2	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Spanish 1 with a grade of C- or better both semesters	Year Level: 10, 11
Description: The course is designed to strengthen the foundations started in Level 1. Our goal is to develop greater facility with all aspects of the target language; reading, writing, listening, and oral comprehension. This is accomplished through greater usage of the target language by both teacher and student. Music, films, current events, and cultural discussions are used to better understand the Hispanic culture and use of the language.	

Spanish 2A/B	Duration: Two Years
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Teacher recommendation (typically grade below C- average in Spanish 1).	Year Level: 10, 11
Description: This course is designed for students needing more time with foreign language acquisition. It is a two-year course, in which the curriculum of Spanish 1 and 2 will be completed. To accommodate the varied learning styles, class size consideration will be given.	

Spanish 2XL	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Accelerated Core Course
To be eligible for consideration: Successful completion of Spanish 1XL with a grade of B+ or better <u>both semesters</u> or passing a written and oral assessment administered by the department.	Year Level: 9, 10
Description: This course is an AP directed class for students who desire a more intensive experience of the Spanish language and culture. To enhance foreign language acquisition, most of the class will be taught in the target language. To develop language proficiency verbal, auditory, reading, and writing exercises will be presented at an advanced level.	

Spanish 3	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Spanish 2 with a grade of C- or better both semesters	Year Level: 11, 12
Description: This course is designed to reinforce comprehension and utilization of the language. This is accomplished through cooperative learning exercises, oral reports and presentations. Audio-visual materials are used to improve comprehension and develop better writing skills. A variety of readings are provided to encapsulate the student's understanding of the language and culture of the Hispanic world.	

Spanish 3 Honors	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of Spanish 2XL with a B+ or better both semesters	Year Level: 11, 12
Description: This class is designed as a preparatory class for Advanced Placement Spanish IV. The main focus is developing oral, listening, writing, and reading skills. To fulfill these goals, a wide variety of cooperative learning exercises are utilized in conjunction with oral reports, audio self-taping, writing exercises, and readings from throughout the Hispanic world.	

Spanish 4	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of Spanish 3 with a grade of C- or better both semesters	Year Level: 11, 12
Description: This class is designed to offer an opportunity for the student at Jesuit High School, who has not chosen the advanced placement track, to continue his education in the Spanish language. Emphasis will be placed on fostering an appreciation for the Spanish speaking world's language and culture and enforcing the student's confidence in their ability to communicate in the target language while fostering an interest in learning Spanish beyond the classroom.	

AP Spanish 4: Spanish Language and Culture	Duration: One Year
UC/CSU Approved: Yes (Area E - LOTE); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of Spanish 3H with a B+ or better both semesters	Year Level: 12
Description: This course, conducted exclusively in Spanish, expands the student's knowledge and usage of the Spanish language and provides a general knowledge of the history and culture of the Spanish-speaking countries and their inhabitants. Its primary goal is to enable the student to communicate proficiently in a pre-advanced to an advanced level in Spanish in order to prepare for the College Board's AP test. This course will provide students with opportunities to use Spanish in the interpersonal, interpretative, and presentational modes, prepare and guide students to comprehend Spanish intended for native speakers in all the linguistic skills, produce written and spoken language recognized and comprehended by native speakers, and present general cultural perspectives of the Spanish-speaking countries. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

MATHEMATICS DEPARTMENT

The Mathematics Department at Jesuit High seeks to give students a fundamental appreciation of the techniques of mathematical problem solving and reasoning. Three years of math (Algebra 1, Geometry, Algebra 2) are required for graduation, and most students elect to take a fourth year. Many college majors require at least one year of calculus, and students are encouraged to continue their math study through senior year in order to be as flexible as possible in choosing courses in college.

Students presently in an XL/Honors course must maintain an overall grade of 85% or above in their present math class to proceed to the next level advanced math class. Students presently in a regular math class hoping to move up to XL/Honors classes, must maintain an overall grade of A- or above to be considered for placement in those classes and complete the course with a 95% or above to be placed in an XL/honors class. Decisions on initial course placement requests are communicated to the students when they receive their approved class list by email in the Spring. **Any significant drop off in academic performance during the second semester may endanger placements into XL, Honors or AP courses.**

Algebra 1	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Department Approval; challenge exam math score and middle school math GPA, standardized test scores.	Year Level: 9
Description: Algebra 1 is the first course in the Common Core Traditional Pathway for High School Mathematics. This comprehensive course emphasizes solving equations, writing and graphing functions, and modeling real-world problems. Major topics include equations, inequalities, functions, systems, exponents, radicals, polynomials, factoring, quadratics, and data analysis.	

Algebra 1 XL	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Department Approval; challenge exam math score and middle school math GPA, standardized test scores.	Year Level: 9
Description: Algebra 1XL is a one-year course developed for students who have some background in Algebra 1 and would benefit from a course that moves at a faster pace, with more challenging problems than the regular-level course. Students taking this course may elect to take summer Geometry XL in order to take Calculus their senior year.	

Algebra 1B (Course code 0301)	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Department approval; challenge exam math score and middle school math GPA, standardized test scores.	Year Level: 9
Description: This program was developed for students who would learn Algebra 1 more effectively by having it presented at a slower pace. The course generally follows the curriculum of the regular Algebra 1 course.	

Geometry	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Algebra 1; or completion of Algebra 1B with an A- or better and department approval.	Year Level: 9, 10
Description: Geometry is the second course in the Common Core Traditional Pathway. As a comprehensive course in Euclidean plane and solid geometry, the class examines the elemental geometric figures: line, angle, triangle, polygon and circle. Additional topics include geometric proofs, properties of parallel and perpendicular lines, congruence, area and volume, similarity, basic trigonometry, constructions, and transformations.	

Geometry B	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Algebra 1B	Year Level: 10
Description: This program was developed for students who would learn Geometry more effectively by having it presented at a slower pace. The course generally follows the curriculum of the regular Geometry course.	

Geometry XL	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Accelerated Core Course
To be eligible for consideration: Completion of Algebra 1 with an A or better	Year Level: 9,10
Description: Geometry XL is a one-year course developed for students who would benefit from a geometry course that moves at a faster pace, with more challenging problems than the regular-level course. The XL course also more heavily emphasizes proofs.	

Algebra 2	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Geometry or Geometry XL; or completion of Geometry B with an A or better and department approval	Year Level: 10, 11
Description: Algebra 2 is the third course in the Common Core Traditional Pathway. Major topics include functions and how to build them, modeling with linear, quadratic, exponential, logarithmic, radical and rational functions, basic trigonometry, series and sequences, and statistics and probability.	

Algebra 2B	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Geometry B	Year Level: 11
Description: This program was developed for students who would learn Algebra 2 more effectively by having it presented at a slower pace. The course generally follows the curriculum of the regular Algebra 2 course.	

Algebra 2 Honors	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Completion of Geometry with an A or better; or completion of Geometry XL with a B- or better	Year Level: 9, 10, 11
Description: Algebra 2 Honors is a one-year course developed for students who would benefit from a course that moves at a faster pace, with more challenging problems than the regular-level course. The Honors course also covers additional topics, including conic sections and solving trigonometric equations.	

Financial Algebra	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of Algebra 2B or department approval	Year Level: 12
Description: Financial Algebra offers students an opportunity to view the world of finance through a mathematical lens. The topics were developed using the Common Core State Standards in Mathematics and the NCTM Curriculum and Evaluation Standards. The mathematical formulas, functions, and pictorial representations used assist students in making sense of the financial world around them and equip them with the ability to make sound financial decisions. Topics to be covered include the stock market, banking services, consumer credit, automobile ownership, employment, income taxes, planning for retirement, preparing a budget.	

Statistics	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Completion of Algebra 2H; or completion of Algebra 2 with a grade of C or better; or completion of Algebra 2B with a grade of A- or better	Year Level: 11,12
Description: Statistics is an introductory course, modeled after UC offerings, 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.	

AP Statistics	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Completion of Algebra 2 with a grade of B or better; completion of Algebra 2H with a grade of C or better; successful completion of Precalculus or Statistics	Year Level: 12
Description: 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. This course goes into more depth than the standard level course and introduces students to significantly more challenging problems as they learn. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

Pre-Calculus Honors	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Completion of Algebra 2 with a grade of B or better or Algebra 2H with a grade of C or better	Year Level: 11, 12
Description: Pre-Calculus Honors is a course designed for the student who intends to study calculus. The properties of algebraic, logarithmic, exponential and trigonometric functions are developed with emphasis on sketching curves and modeling.	

AP Pre-Calculus ^{NEW}	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Completion of Algebra 2 with an A or better or Algebra 2H with a B- or better	Year Level: 10, 11, 12
<p>Description: AP Pre-Calculus is a one-year course developed for students who would benefit from a course that moves at a faster pace, with more challenging problems than Honors Precalculus. This course will prepare a student for taking AP Calculus. AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, vector-valued and implicitly defined. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation and engage each function type through their graphical, numerical, analytical, and verbal representations. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p>	

Honors Calculus ^{NEW}	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Completion of Pre-Calculus with a B- or better or Honors Pre-Calculus with a C- or better	Year Level: 11, 12
<p>Description: This course presents a detailed investigation of the “Big Ideas” of Calculus: limits, derivatives, integrals and the Fundamental Theorem of Calculus. This course is similar to AP Calculus AB, but the topics are covered at a slower pace and a small number of AB topics are not included. Students will develop organizational and analytical skills in problem solving and presentation of work.</p>	

AP Calculus (AB)	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Completion of Pre-Calculus with an A- or better or completion of Honors Pre-Calculus with a B- or better and department approval	Year Level: 11, 12
<p>Description: This course presents a detailed investigation of the “Big Ideas” of Calculus: limits, derivatives, integrals and the Fundamental Theorem of Calculus. Students will use tables and graphs to estimate limits and will also compute various limits, including one-sided limits, limits at infinity and infinite limits. Limits will be applied to understand the behavior of functions with regard to asymptotes and continuity. Students will use tables and graphs to estimate derivatives and will eventually develop the definition of the derivative using limits. Derivatives will be used to find instantaneous rates of change of functions, as well as features of graphs. Major applications of the derivative will include rectilinear motion, related rates, optimization and graph sketching. Students will use geometry to estimate definite integrals and will eventually develop the limit-based definition of the integral. Students will apply the Fundamental Theorem of Calculus to understand the link between integration and differentiation, as well to efficiently compute integral values. Major applications of the integral will include area, volume, motion, accumulation and solving separable differential equations. Students will develop organizational and analytical skills in problem solving and presentation of work. Students will spend a significant amount of class time reviewing for the Advanced Placement AB Calculus Exam, which they are required to take in the last month of the course.</p>	

AP Calculus (BC)	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Completion of AP Calculus AB with a B- or better and department approval	Year Level: 11, 12
<p>Description: This course includes a comprehensive review of all topics covered in the AB course (described in detail above). In addition, the student will study the Big Idea of infinite sequences and series, as well as applications of calculus to polar, parametric, and vector functions. Students will build on organizational and analytical skills developed in the AB course. Students will spend a significant amount of class time reviewing for the Advanced Placement BC Calculus Exam, which they are required to take in the last month of the course.</p>	

Math Department Summer School Courses - All courses taken for advancement must first be approved by your current Math teacher, the Math Department Chair, AND the AP for Academics	Duration
<p>Algebra 1 Review</p> <p>Description: This course is designed for students who have completed a full year of Algebra 1 but need some additional instruction in preparation for taking an accelerated or honors level course at Jesuit. The expectation is that students who successfully complete this course will demonstrate mastery of Algebra I concepts in order to proceed to Geometry XL.</p>	3 weeks
<p>Algebra 1</p> <p>Description: Algebra 1 is the first course in the Common Core Traditional Pathway for High School Mathematics. This comprehensive course emphasizes solving equations, writing and graphing functions, and modeling real- world problems. Major topics include equations, inequalities, functions, systems, exponents, radicals, polynomials, factoring, quadratics, and data analysis.</p>	6 weeks
<p>Geometry XL</p> <p>Description: Geometry XL is the second course in the Common Core Traditional Pathway, developed for students who would benefit from a Geometry course that moves at a faster pace, with more challenging problems than the regular-level course. The course has the same goals and objectives as the full year course of Geometry XL, with emphasis on formal deductive proof with applications to geometric figures. Successful completion of Algebra 1 with an A- or better is a prerequisite for this course. Jesuit students must obtain prior department approval.</p>	6 weeks
<p>Algebra 2</p> <p>Description: Algebra 2 is the third course in the Common Core Traditional Pathway. Major topics include functions and how to build them, modeling with linear, quadratic, exponential, logarithmic, radical and rational functions, basic trigonometry, series and sequences, and statistics and probability. This course is designed to remediate and cannot be taken by Jesuit students for advancement to Precalculus. Jesuit students must obtain prior department approval.</p>	6 weeks
<p>Pre-Calculus</p> <p>Description: Pre-Calculus is designed for the student who intends to study Calculus. The properties of algebraic, logarithmic, exponential and trigonometric functions are developed with emphasis on sketching curves and modeling. Successful completion of Algebra 2 with an A- or better or successful completion of Algebra 2H with a B- or better is a prerequisite for this course. Jesuit students must obtain prior department approval.</p>	6 weeks

COMPUTER SCIENCE PROGRAM

The Computer Science Program at Jesuit offers students the opportunity to engage in interdisciplinary study of the field of computer science, mixing skills and concepts from the math and science disciplines. All courses in this program are electives, but the program is designed to encourage students to explore all the course offerings in sequence. Throughout these courses, students learn HTML, CSS, JavaScript, C, Python, Java, Lua, and C#. While these courses emphasize programming, topics such as cybersecurity, digital privacy, computer ethics, and hardware innovations make up important elements of the curriculum. Students who complete both AP courses are encouraged to take Honors Game Development as a capstone to their computer science study.

Introduction to Computer Science	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: No	Type of Course: Elective
To be eligible for consideration: Department approval; middle school math and science GPA, standardized test scores.	Year Level: 9
<p>Description: Introduction to Computer Science is a one-semester elective that offers students an engaging, project-based exploration of the discipline of computer science. To accomplish this, it combines material from Harvard’s course CS50T Understanding Technology along with an exploration of the p5.js programming language. The major topics in the course are computer hardware, the Internet and cybersecurity, multimedia, and programming. Designed for students who work with technology every day but do not necessarily understand how it all works underneath the hood or how to solve problems when something goes wrong, this course fills in the gaps, empowering students to use and troubleshoot technology more effectively. Upon completion, students will feel equipped for today’s technology and prepared for tomorrow’s as well.</p>	

AP Computer Science Principles	Duration: One Year
UC/CSU Approved: Yes (Area D - Science); NCAA: No	Type of Course: Honors Elective
To be eligible for consideration: -Enrollment priority is given to sophomores and juniors.	Year Level: 10, 11, 12
<p>Description: AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. This course will use material from CS50 AP and from the textbook <i>Learning Processing</i> to meet the course objectives. By the end of the course, students will be prepared for success on the AP Exam. As the culminating experience for this course, the Advanced Placement exam in May must be taken by all students; a passing score on this exam may earn the student college credit.</p> <p><i>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</i></p>	

AP Computer Science A	Duration: One Year
UC/CSU Approved: Yes (Area C - Mathematics); NCAA: No	Type of Course: Honors Elective
To be eligible for consideration: Completion of AP Computer Science Principles with a B- or better and/or instructor approval	Year Level: 11, 12
<p>Description: AP Computer Science A teaches students to code fluently in an object-oriented paradigm using the programming language Java and the standard library classes from the AP Java subset delineated in the AP Computer Science Course Description. Students learn to program with Java, with particular attention to the Processing library. The course begins with a review of fundamental programming concepts. From the beginning, the course emphasizes object-oriented programming (OOP). Students are expected to become proficient at creating and extending classes. Throughout the course, students complete a number of practice problems and are engaged in hands-on labs integrated throughout the course. Students work through sections of official AP CS A labs, solve problems from the website CodingBat, and complete extending programming projects. By the end of the course, students are prepared for success on the AP Exam. As the culminating experience for this course, the Advanced Placement exam in May must be taken by all students; a passing score on this exam may earn the student college credit.</p>	

Honors Game Development^{NEW}	Duration: One Year
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: No	Type of Course: Elective
To be eligible for consideration: Completion of or co-enrollment in AP Computer Science A and/or teacher approval	Year Level: 12
<p>Description: Built upon Harvard's OpenCourseWare, Introduction to Game Development provides students a chance to explore the design of such childhood games as Super Mario Bros., Legend of Zelda, and Portal in a quest to understand how video games themselves are implemented. Via lectures and hands-on projects, the course explores principles of 2D and 3D graphics, animation, sound, and collision detection using frameworks like Unity and LOVE 2D, as well as languages like Lua and C#. By class's end, students will have programmed several of their own games and gained a thorough understanding of the basics of game design and development.</p>	

Foundations of Cybersecurity	Duration: One Semester
UC/CSU Approved: Pending NCAA: No	Type of Course: Elective
To be eligible for consideration: Junior or Senior	Year Level: 11, 12
<p>Description: Cybersecurity is a dynamic one-semester course designed to enhance students' understanding of internet technologies and digital security. The curriculum explores advanced strategies in cyber hygiene, cryptography, software security, and ethical hacking concepts. Students will develop a competitive edge through advanced cybersecurity expertise, providing a path to becoming professionals in the tech industry. No prior programming knowledge is necessary; a passion for technology is the only prerequisite.</p>	

Introduction to Web Development	Duration: One Semester
UC/CSU Approved: <i>Pending</i> NCAA: No	Type of Course: Elective
To be eligible for consideration: Junior or senior level	Year Level: 11, 12
<p>Description: Introduction to Web Development covers the fundamental concepts of website design. Students learn the basics of HTML and CSS before moving on to creating interactive web applications with JavaScript and Python. This course will cover frameworks such as Bootstrap, React, and Flask. Topics such as accessibility, security, UI/UX, and deployment will also be introduced. Key resources will include freeCodeCamp and CS50W. In this project-based course, students will create a portfolio of a variety of websites. By course's end, students will have a foundational knowledge of the tools and languages used for web development.</p>	

Introduction to Game Development NEW	Duration: One Semester
UC/CSU Approved: <i>Pending</i> NCAA: No	Type of Course: Elective
To be eligible for consideration: Junior or senior level	Year Level: 11, 12
<p>Description: Introduction to Game Development provides students with no programming experience a chance to explore the concepts behind video games. Via lectures and hands-on projects, the course will explore fundamental topics such as game loops, level generation, user interaction, and graphics. Students will also explore key moments, games, and individuals in the history of the medium. By the end of the course, students will have programmed several of their own games and gained a thorough understanding of the basics of game design and development while also growing in appreciation for the artistry behind video games.</p>	

SCIENCE DEPARTMENT

Six semesters of Science are required for graduation. Students who may study science in college are encouraged to take an additional science class their senior year. The Jesuit graduation requirement fulfills the University of California's laboratory science admissions requirement. **Any significant drop off in academic performance during the second semester may endanger your placements in XL or AP courses.**

Core course requirement: Students must take the two following core courses before they can take electives*:

Integrated Science

Biology

Chemistry**

*The exception is AP Biology, which is an elective that can be taken immediately following Biology/Biology XL, but does not count as a core course; AP Biology students are still required to take a Chemistry course to fulfill core requirements.

**Effective in 2022-2023, Chemistry is a prerequisite to some, but not all, elective courses.

Biology	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9
Description: An introduction to General Biology as a laboratory science applying the tools of scientific investigation. Topics include use of the microscope, diversity of life on the planet, cell structure and function, evolution and natural selection, molecular biology, genetics, reproduction, circulation, respiration, and digestion. Laboratory investigations are an integral part of the course.	

Biology XL	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Accelerated Core Course
To be eligible for consideration: Results of challenge testing	Year Level: 9
Description: Covers the same standards as regular Biology but at a faster pace and in greater depth. Topics include the use of microscopes, the diversity of life on the planet, cell structure and function, evolution and natural selection, molecular biology, genetics, and various organ systems. Students will be expected to understand material in greater depth and demonstrate this understanding through more rigorous assessment. Laboratory investigations are an integral part of the course.	

AP Biology	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Sophomores must have completed Biology with an A- or better or Biology XL with a B- or better Juniors and Seniors must have completed Chemistry with an A- or better or AP Chemistry with a C or better	Year Level: 10, 11, 12
<p>Description: AP Biology includes those topics regularly covered in a college biology course for biology majors. This course differs significantly from the regular college-prep Biology course offered at Jesuit High School with respect to the textbook used, the range and depth of topics covered, the intensity and depth of the laboratory exercises, and the time and energy required of each student. The textbook used by this course is a college text used by college Biology majors.</p> <p>All topics discussed and the amount of each topic covered in this course is representative of the goals set down by the College Board and the National AP Examination. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p>	

Chemistry in the Community	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of any level of Biology	Year Level: 10, 11
<p>Description: This course explores chemistry as it relates to household, local, and global environments. It is a lab-oriented course that explores chemistry concepts such as: water purity, chemical resources, petroleum resources and alternatives, chemistry of food, nuclear chemistry, atmospheric chemistry, biochemistry, and industrial chemistry.</p>	

Chemistry	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Biology with a C+ or better, Biology XL with a grade of C or better or AP Biology with a C- or better; <u>and</u> a B- or better in Algebra 1 or successful completion of any higher level math. These minimum expectations also apply to students wishing to take Chemistry over the summer.	Year Level: 10, 11
<p>Description: An introduction to General Chemistry as a laboratory oriented course. Topics studied include mathematical foundations, measurement, matter and energy, atomic structure and theory, The Periodic Law (Periodicity), chemical bonding, chemical formula calculations, writing and balancing chemical equations, stoichiometry, the Gas Laws, Solution chemistry, Acid and Base chemistry, Organic and Nuclear chemistry.</p>	

AP Chemistry	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of Biology with an A- or better, Biology XL with a B- or better, or AP Biology with a C+ or better; <u>and</u> Algebra 2 with a B or better, Algebra 2H with a B- or better, or successful completion in any other higher level math	Year Level: 10, 11, 12
Description: This course is the equivalent to a first-year college course in general chemistry. This course differs significantly from the regular college-prep chemistry course offered at Jesuit High School with respect to the textbook used, the range and depth of topics covered, the intensity and depth of the laboratory exercises, and the time and energy required of each student. The textbook used by this course is a college text used by college chemistry majors. Topics covered will include structure of matter, bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

Environmental Science	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of core course requirement with a C- or better in both courses taken	Year Level: 11, 12
Description: This course is a multidisciplinary science course designed to help students understand the interconnectedness of the natural world. This course provides students with the scientific principles, concepts, and methodologies required to identify, understand, and analyze environmental problems both natural and man-made, and to examine alternative solutions for resolving and/or preventing them. An interdisciplinary field, environmental science incorporates elements of geology, biology, physics, environmental studies, chemistry, economics, and geography. In this class, students will apply knowledge from the basic sciences and mathematics to search for viable solutions to environmental problems. Topics covered will include biodiversity and conservation, populations, soil and agriculture, water, atmosphere and climate, energy, and urbanization.	

AP Environmental Science ^{NEW}	Duration: One Year
UC/CSU Approved: Pending NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Complete Chemistry with a B or better or complete AP Chemistry with a C or better	Year Level: 11, 12
Description: The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the students college credit.	

Introduction to Robotics Engineering	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Pending	Type of Course: Elective
To be eligible for consideration: Successful completion of core course requirement with a C- or better in both courses taken (Biology, Chemistry)	Year Level: 11, 12
<p>Description: Introduction to robotics engineering will integrate science, technology, engineering, and math while introducing students to the increasingly important field of robotics. This is a lab-based course that uses a hands-on approach to teach the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Aspects of robotics that will be covered include mobility, sensors, control, object manipulation, programming, automation, and system integration. Students will work in small teams and use the engineering design process to design, build, program, and test increasingly more complex robots to accomplish problem-based projects.</p>	

Anatomy and Physiology	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of any level of Chemistry with a C- or better	Year Level: 11, 12
<p>Description: Anatomy and physiology is a one year course that involves the study of the structure and function of the human body, as it pertains to how the body systems relate to one another in organization, adaptation, and homeostasis. Through the dissection of a cat and other vertebrate organs, students will learn the structure and function of the parts of the human body, along with its systems. This course will involve collaborative group activities, interaction with models and diagrams, laboratory activities, projects, and dissections. The material learned in this course can be applied to medical field careers, health and fitness careers, and biological research careers.</p>	

Physics	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of any level of Chemistry with a C- or better	Year Level: 11, 12
<p>Description: An introductory course studying the basic principles of our mechanical universe including: mechanics & dynamics, energy, sound, light, electrical applications, magnetism and waves . Concepts and practical applications are emphasized with intensive lab activity and inquiry based learning. A basic understanding of trigonometry is required from Algebra II for success in problem solving and project challenges. If you question your math background for this course, please speak to the instructor.</p>	

AP Physics 1	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion Chemistry with an A- or better, or AP Chemistry with a B- or better; <u>and</u> Algebra 2 with a A- or better or Algebra 2H with a B- or better or successful completion of any higher level math	Year Level: 11, 12
Description: This course is the equivalent to a first-semester-college course in algebra-based physics. The course covers Newtonian mechanics (including two-dimensions); work, energy, and power; and simple harmonic motion. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will be prepared to take the AP Physics 1 exam. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

AP Physics 2	Duration: One Year
UC/CSU Approved: Yes (Area D - Laboratory Science); NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of AP Physics 1 with a B- or better and Pre-Calculus with A- or better, Pre-Calculus H with B- or better, or completion of any higher level math.	Year Level: 12
Description: This course is the equivalent to a second-semester college course in algebra-based physics course which explores topics such as fluids Thermodynamics, electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will be prepared to take the AP Physics 2 exam. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

SOCIAL SCIENCES DEPARTMENT

The Jesuit Social Sciences Department believes that the study of this diverse discipline is an essential component of the school's mission to educate "men for others." The exploration of culture, history, geography, economics, politics and human thought creates a deeper understanding of and appreciation for the world and sensitivity to its people. The Social Studies Department places particular emphasis on promoting the school's mission by focusing on historical and modern issues of social justice.

In the process of educating, it is the goal of the department to develop a core set of fundamental skills, the most important of which are critical reading, writing, and thinking. In lower division classes, students learn skills such as efficient note taking, close reading, and proper study strategies. Upper division courses stress research, composition, and oral presentation skills. **Any significant drop off in academic performance during the second semester may endanger placements in XL, honors or AP courses.**

Human Geography	Duration: One Year
UC/CSU Approved: Yes NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 10
Description: The goal for the course is for students to become more geoliterate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. The students will develop skills in approaching problems geographically, using maps and geospatial technologies, thinking critically about texts and graphic images, interpreting cultural landscapes, and applying geographic concepts such as scale, region, diffusion, interdependence, and spatial interaction, among others.	

AP Human Geography	Duration: One Year
UC/CSU Approved: Yes NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of English 1 with a B+ or better or English 1XL with a B- or better; overall GPA of 3.75 or better	Year Level: 10
Description: This rigorous college preparatory course examines human geography as a social science, emphasizing the relevance of geographic concepts to human problems. Students comprehend the significance of time and place as variables in shaping culture and society, and evaluate a wide range of historical evidence across time periods. Students become geographers who describe the global distribution of people and activities and discover the historical context underlying them. The key topics covered are population growth and migration, cultural traits and beliefs, political issues arising from cultural diversity, industry and food supply, and settlements/urbanization. Students analyze the tensions between globalization and cultural diversity, connect human actions to global consequences, and develop solutions for real-world problems. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.	

United States History	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of Human Geography or AP Human Geography	Year Level: 11
<p>Description: Students will study the major turning points in American history in the 20th century. Following a review of the nation's beginnings and the impact of the Enlightenment on US democratic ideals, students build upon previous study of global industrialization to understand the emergency and impact of new technology and a corporate economy, including the social and cultural effects. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. Students understand that our rights under the US constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection.</p>	

AP United States History	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of Human Geography with a B+ or better or AP Human Geography with a B- or better; and English 2 with a B+ or better or English 2H with a B- or better, and/or department approval.	Year Level: 11
<p>Description: This advanced placement course is a college level course designed for highly motivated juniors. Students enrolled in this class will need to master the content of United States history to succeed on the advanced placement test. Students write several document-based and free response essays to learn strategies for writing college quality essays. The AP test will be given in the middle of May, and students passing this test are given college credit at many universities and colleges. The pace of this class is accelerated, covering one or two chapters per week. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p> <p>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</p>	

Civics - American Government	Duration: One Semester
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of US History or AP US History	Year Level: 12
<p>Description: A study of the three main branches of the federal government (Executive, Judicial, and Legislative) and the place of individual citizens within the governmental framework. Special emphasis will be placed on problems facing the government, with in-depth study of selected Supreme Court decisions, the President's war powers, lobbying, the media, and political campaigns.</p> <p>Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements.</p>	

Economics	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: Yes	Type of Course: Core Course
To be eligible for consideration: Successful completion of US History or AP US History	Year Level: 12
<p>Description: An introduction to the basic concepts of Economics, this course involves both theoretical and practical approaches to the ideas of scarcity and exchange. After a survey of the microeconomic principles of supply and demand, consumer choice, and efficient production, the class explores several contemporary economic issues, including business finance, the stock market, poverty and inequality, and the international economic system.</p> <p><i>Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements.</i></p>	

The Holocaust: A Historical Perspective	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of US History or AP US History	Year Level: 12
<p>Description: This course will examine the events, culture(s) and individuals whose genesis resulted in one of the greatest crimes in recorded history. This course will enable students to examine and experience moral issues and dilemmas in historical and present day contexts as well as develop a more profound awareness of the circumstances under which social justice can be sacrificed in the name of ethnocentric nationalism.</p>	

American Civil Rights	Duration: One Semester
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: Yes	Type of Course: Elective
To be eligible for consideration: Successful completion of US History or AP US History	Year Level: 12
<p>Description: American Civil Rights is one of the most significant and exciting sources of social change in the United States since the country's inception. This course examines and evaluates the 245 year struggle for social, political, and economic equality from the time of slavery and post-Civil War Reconstruction to current times. The course will allow students to analyze civil rights from constitutional, historical, and modern perspectives. Students will develop critical thinking skills through understanding and comparisons of how civil rights change over time, how rights are implemented today, and how these rights are applied to different groups in different settings. Students will study other contemporary movements that are a direct outgrowth of the modern Civil Rights Movement. This will allow students to study the most recent civil rights issues and Supreme Court decisions as they relate to many other groups and movements. The Civil Rights Movement is one of the most significant and exciting sources of social change in the United States since the country's inception.</p>	

AP Government and Politics	Duration: One Year
UC/CSU Approved: Yes (Area A - History/Social Science); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of the following: B+ or better in US History OR B- or better in AP US History; and/or department approval.	Year Level: 12
<p>Description: This two semester course focuses on the nature of the American political system, its development over the past 200 years and how it works today. Content areas include principles of our government, interpretation of original documents, political beliefs and behaviors, political parties and interest groups, national institutions and policy processes and law. Students will have the opportunity to actively participate in this class through individual and group discussion, presentations and research, with a special focus on current issues. One of the primary objectives of this course is to expose students to all areas of information covered on the AP examination. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p> <p><i>Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements; this course fulfills this requirement and the elective requirement.</i></p>	

AP Economics	Duration: One Year
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: Yes	Type of Course: Honors Core Course
To be eligible for consideration: Successful completion of the following: B+ or better in US History OR B- or better in AP US History; B+ or better in Algebra 1; B+ or better in Algebra 2; OR B- or better in Algebra 2(H), and/or department approval.	Year Level: 12
<p>Description:</p> <p>AP Microeconomics (during the fall semester) This course covers material that is usually taught in a one-semester undergraduate microeconomics course. Students receive an introduction to microeconomic analysis. This occurs when students examine the workings of supply and demand in the determination of price, resource allocation, and distribution. Students analyze different forms of markets as these affect economic efficiency and income distribution. Students should have the ability to submit regularly assigned homework using a home computer. Enrollment in the course presumes a commitment to taking the AP Microeconomics test in May. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p> <p>AP Macroeconomics (during the spring semester) This course covers material that is usually taught in a one-semester undergraduate macroeconomics course. Macroeconomics deals with principles that apply to a total economic system, particularly the general levels of output and income. It strongly emphasizes the determinants of aggregate demand and the monetary and fiscal policies used to achieve particular policy objectives. Students will understand concepts such as the multiplier, the accelerator, balance-of-payments equilibrium, inflation, and depreciation as well as institutional arrangements such as open-market operations, deficit spending, and exchange rates. Students should have the ability to submit regularly assigned homework using a home computer. Enrollment in the course presumes a commitment to taking the AP Macroeconomics test in May. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p> <p><i>Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements; this course fulfills this requirement and the elective requirement.</i></p>	

AP Psychology	Duration: One Year
UC/CSU Approved: Yes NCAA: Yes	Type of Course: Honors Elective
To be eligible for consideration: Successful completion of US History with an A- or better or AP US History with a B- or better, and/or department approval.	Year Level: 12
<p>Description: The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as 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. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. As the culminating experience for this course, students are required to take the Advanced Placement exam in May; a passing score on this exam may earn the student college credit.</p> <p><i>Note: All Seniors must enroll in Civics and/or Economics to fulfill graduation requirements; <u>this course does not fulfill this requirement</u>, but does fulfill the elective requirement.</i></p> <p>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</p>	

PHYSICAL EDUCATION DEPARTMENT

Two semesters of Physical Education credit are required for graduation. All students must take PE 1 as a freshman, and then fulfill the second semester requirement by the end of fall their senior year. In addition, students must pass the Health portion of the PE 1 course with a score of 70% or better in order to graduate.

PE Department electives are divided into lower and upper divisions. Lower division courses are open to anyone and can be used to fulfill the second semester PE graduation requirement; upper division courses are only available to students who have completed their PE graduation requirements.

In addition to taking courses offered during the school day, students can earn PE credit through:

- Participating in Jesuit High School athletic programs in the sophomore, junior, and/or senior year
 - Each season of a sport completed beyond the freshman year will earn students one quarter of PE credit; two seasons of two different sports will earn credit to complete the PE requirement, but two seasons of the same sport should culminate in the student earning a varsity letter
- Taking a summer school course offered at Jesuit (as available)
 - Summer school courses may be offered as quarter or semester credits, which can be applied to the graduation requirement
- Completing four years of the Marauder Band (marching band) program
 - A full four years of participation will earn the student one semester of PE credit, which can be used to complete the graduation requirement

PE 1	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: N/A	Year Level: 9
<p>Description: All freshmen must enroll in one semester of physical education. The freshman year promotes fitness as a lifetime responsibility. Students will participate in weight training one day per week, along with a number of the following activities: Swimming/water polo, speedball, basketball, softball, floor hockey, volleyball, flag football and/or ultimate Frisbee. Students will be tested in the 12-minute run, 40-yard dash, standing vertical jump, 10-yard shuttle run and a 3 repetition maximum bench press. Athletic ability is not emphasized. Participation, attitude, effort and cooperation with peers as well as instructors are the benchmarks used to determine final grades.</p>	

Health Education	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Core Course
To be eligible for consideration: Concurrent enrollment in PE 1	Year Level: 9
<p>Description: All freshmen enrolled in PE are concurrently enrolled in the on-line Arrupe Virtual Learning Institute (AVLI) <i>Growing Up Healthy</i> course. This course fulfills the state mandated requirement for high school graduation. Over a 14-week period, seven learning modules are presented: The human body, puberty, diet/nutrition, exercise, mental/emotional//spiritual health, risky behaviors and first aid. A minimum cumulative score of 70% or higher is required for graduation from Jesuit High School.</p>	

Fitness for Life	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Lower Division Elective
To be eligible for consideration: N/A	Year Level: 10,11,12
Description: This one semester course will reinforce the long-term advantages of being physically fit and to promote the social and family aspects of sports. Students will be introduced to a variety of indoor sports and activities including badminton, basketball, cardio kickboxing, dodge ball, floor hockey, juggling, Tai-Chi, Pilates, soccer, and yoga; and outdoor sports and activities including circuit training, soccer, softball, and Ultimate Frisbee.	

Introduction to Weightlifting	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Lower Division Elective
To be eligible for consideration: N/A	Year Level: 10,11,12
Description: This one semester course is designed as an introduction to develop the fundamentals and skills of basic weightlifting and conditioning. Emphasis will be placed on the individual development of a weightlifting and conditioning program that will assist the student to reach personal goals pertaining to their physical health. Workouts may include circuit training, Olympic lifting and Cross-fit exercises. This class will address losing/gaining weight and dealing with muscle mass and tone.	

Recreational Basketball	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Lower Division Elective
To be eligible for consideration: N/A	Year Level: 10, 11, 12
Description: This one semester course introduces students to the possibilities of basketball as a life-long physical fitness activity. The course will consist of individual group drills and games. It incorporates individual skill development as well as team concepts. Athletes on the Basketball team are not eligible.	

Recreational Net Sports	Duration: One Semester
UC/CSU Approved: No; NCAA: No	Type of Course: Lower Division Elective
To be eligible for consideration: N/A	Year Level: 10, 11, 12
Description: Designed for students to engage in all types of net sports that can assist them in staying active throughout their adult life. Games will be individual or team based. Sports will include Volleyball (indoor and outdoor), badminton, spike ball and others.	

Introduction to Sports Medicine	Duration: One Year
UC/CSU Approved: Yes (Area G - Elective); NCAA: No	Type of Course: Upper Division Elective
To be eligible for consideration: Department approval; must have already completed PE graduation requirement	Year Level: 11, 12
<p>Description: Designed for students who want some hands-on learning in the athletic field, this course will introduce students to sports medicine as a profession. Students will learn basic skills related to injury prevention, treatment, and recognition of athletic injuries. Students will engage in the application of practical skills including taping, bracing, and wound care. Highly applicable learning for students who want to be coaches, trainers, health professionals, physical educators, or just more self-aware athletes.</p> <p><i>Note: This course <u>does not fulfill</u> a UC laboratory science requirement.</i></p>	

Yoga	Duration: One Semester
UC/CSU Approved: No NCAA: No	Type of Course: Upper Division Elective
To be eligible for consideration: Completion of PE graduation requirement; placement subject to department approval	Year Level: 11,12
<p>Description: This course is designed to introduce students safely and accessibly to the poses, breathing techniques, and relaxation methods of yoga. Students will learn how to improve muscular strength, muscular endurance, flexibility and balance. In addition, students will learn methods to reduce stress and improve concentration. The goal of this course is to provide students with tools for lifelong health and fitness.</p>	

Fitness and Performance (Fall only)	Duration: One Semester
UC/CSU Approved: No NCAA: No	Type of Course: Upper Division Elective
To be eligible for consideration: Completion of PE graduation requirement; placement subject to department approval	Year Level: 11,12
<p>Description: Fitness and Performance is a one semester elective that aims to increase interest in and knowledge of the benefits of physical activity and fitness. The course takes students more in-depth into the processes and factors that improve fitness and performance, such as nutrition, workout planning, specific exercises, and recovery.</p>	

Speed Training (Spring only)	Duration: One Semester
UC/CSU Approved: No NCAA: No	Type of Course: Upper Division Elective
To be eligible for consideration: Completion of PE graduation requirement; placement subject to department approval	Year Level: 11,12
<p>Description: Speed Training is a one semester elective that aims to develop skills and a knowledge base of the proper ways to improve running speed. The course takes students in depth into the process and factors that improve speed, such as technique, workout planning and other avenues.</p>	

Athletic Participation Credit

Students who complete a season with a Jesuit High School athletic team as a sophomore, junior, or senior will receive 2.5 units of credit (half the credit of a PE course). Students who play a second season of the same sport will need to receive a varsity letter to have it count a second time. These credits will automatically be added to a student's transcript.

Marauder Band Participation Credit

Students who complete four years of the Marauder Band marching band program will receive 5 units of credit (full credit for a PE course) and thereby complete their PE requirement.

All students must take and pass the Health Education Curriculum mandated by the State of California in order to graduate.

AP CAPSTONE PROGRAM

AP Capstone™ is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic thesis. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar may also be taken as a stand-alone option.

AP Seminar	Duration: One Year
UC/CSU Approved: Yes (Area B - English); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Students applying for AP Seminar should meet the requirements for admission to advanced English <i>and</i> Social Science courses, a minimum cumulative GPA of 3.5; as well as have their counselor's recommendation AND instructor approval.	Year Level: 10, 11
<p>Description: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.</p> <p><i>Note: Though this course is designated as a UC-approved English course, students cannot take it in lieu of their regular English course, and it thus does not fulfill Jesuit's graduation requirement for English.</i></p> <p>As of the May 2025 exam administration, this exam will be fully digital. Students enrolled in this course must have available an approved testing device that can support the Bluebook testing app. Click here for more information on Collegeboard approved devices.</p>	

AP Research	Duration: One Year
UC/CSU Approved: Yes (Area G - College Preparatory Elective); NCAA: No	Type of Course: Honors elective
To be eligible for consideration: Successful completion of AP Seminar.	Year Level: 11, 12
<p>Description: AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.</p>	

GENERAL ELECTIVES

Desktop Publishing - Yearbook Design and Publication	Duration: One Year
UC/CSU Approved: Yes - F; NCAA: No	Type of Course: Elective
To be eligible for consideration: Application, interview, and instructor permission - See Mr. Chandley	Year Level: 10-12
<p>Description: “The Cutlass”—named for a Marauder’s sword—is Jesuit High School’s yearbook, published annually and distributed free to all students and staff. Now in its 52nd volume, The Cutlass has grown into a top-notch digitally-designed publication, using the most cutting-edge graphic design software from Adobe. If you have an artistic eye, if you like photography or graphic design, or if you are a good writer who would like to become a part of chronicling our collective stories, then come join one of the most fun and rewarding activities on campus. Acceptance is by application only; we want guys who are smart, hard-working, good-humored, ambitious, and team-oriented. Applications are available through Mr. Chandley, in GP 201 and CH 104.</p> <p><i>Note: This course is also listed in the Visual and Performing Arts Department portion of the catalog.</i></p>	

Newspaper Leadership and Production	Duration: One Year
UC/CSU Approved: Yes - G; NCAA: No	Type of Course: Elective
To be eligible for consideration: Instructor approval; see Mr. Luppino for information	Year Level: 10-12
<p>Description: Newspaper is a two semester course, which has as its goal to produce six to eight issues of The Plank. Students will learn about all facets of publishing a newspaper; however, they may choose to be involved in a specific area, including photography, writing, editing, and layout and design. To earn a grade, students are required to submit articles for each issue, even if their piece is not selected for the final copy. This class is best taken as a two-semester course, but it may be taken for one semester. Students must confer with Mr. Luppino to be admitted.</p>	

Leadership	Duration: One Year
UC/CSU Approved: No; NCAA: No	Type of Course: Elective
To be eligible for consideration: By election to Student Council or by application for other Student Council positions; see Mr. Ferrari for details	Year Level: 10-12
<p>Description: The Leadership Class is a class made up of students in the Executive Council and Student Council. The class focuses on establishing and strengthening leadership skills in the context of our students’ Catholic education and the mission of Jesuit High School, specifically to form “competent young men into conscientious leaders in compassionate service to others for the greater glory of God.” In the class, students will plan for and organize all Student Council sponsored events. Students will also engage in leadership activities. Lastly, students will study leadership theories and principles. To be enrolled in this course, students must apply for student council and be elected or accepted. If you hope to be a member of the Executive Council, Class President, Class Secretary/ Treasurer, or a Class Senator, you MUST indicate this course on your preference form. If you hope to be a Class Representative, you do not have to indicate this course.</p> <p>Workload: 15-20 pages of reading a week with some reflection questions.</p> <p>Average out of class time commitment: 1 community period per week, 1 event per week.</p>	

FRESHMAN MAGIS SUPPORT PROGRAM

In reviewing applications, we adopt a holistic approach, considering a student's entire academic profile that includes his HSPT scores, middle school grades, and recommendations. During this process, we hope to determine which applicants may require additional academic support in order to be successful in Jesuit's challenging academic environment. Jesuit High School has created a program called Freshman Magis Support (Magis for short) made up of a collection of supportive elements designed to provide an early experience of academic success while setting the foundation for academic growth in the years to follow. These elements include:

- Freshman level **UC/CSU approved courses** specifically designed with a pace and rigor that are commensurate with the students' demonstrated academic ability (determined by test scores and middle school grades). Students in the Magis program will be placed into specially designated Magis sections of their core courses, including:
 - English
 - Biology
 - Algebra 1B
 - Spanish 1 or French 1
 - In addition to these five classes, your son will also take PE and Visual or Performing Art classes his freshman year.
- A **shared flex period** where the students will have access to all of their current teachers to allow for extra test prep, support for major assignments, reinforcement of course content, and clarification for daily assignments as needed.
- A **cohort of dedicated teachers** who are excited to work with students who need additional support and who collaborate with one another to ensure a team approach to student support and care.
- **Smaller class sizes** to allow for greater attention and feedback

The word Magis literally means "more": In Jesuit education, we use this term to describe a generous movement towards greater depth and intentionality. The Magis program is designed with this depth and intentionality for student support. It is our purpose to ensure that our students in the Magis program have a positive transition to Jesuit High School that lays a foundation for the successes that are sure to come.