

2024-2025 Course Catalog

The profile of the graduate describes the characteristic of intellectually competent.

At graduation, the Jesuit student will have experienced a curriculum designed to open him to the richness of his own intellect, as well as to the world of nature and man. The Jesuit course of studies has introduced him to the various disciplines which define a person of learning. The academic rigor characteristic of Jesuit education has demanded that he attain a considerable level of proficiency in these disciplines. All the academic structures of Jesuit College Preparatory School have assisted the student in discovering himself as an individual of reason, education, and culture. He has recognized the value of knowledge as perfecting the uniquely human aspect of his being.

Course Request Process:

- Step 1: Teachers make recommendations for students based on their semester 1 grade and overall progress towards course objectives. (February)
- Step 2: Students discuss goals with counselors, review course recommendations, and finalize course requests in RangerNet. (February)
- Step 3: Requests are approved and schedules are created (spring/summer)

Graduation Requirements for Classes of 2025-2028:

- Theology: 4 credits
- English: 4 credits
- Language: 3 credits in same language
- Physical Education: 1 credit
- Social Studies: 4 credits (including Social Justice and Public Policy)
- Mathematics: 4 credits
- Science: 4 credits
- Computer Science: 1 credit
- Fine Art: 1 credit
- Health Seminar: 0.5 credit
- Elective: 0.5 credit

All courses at Jesuit Dallas are college preparatory. All courses aim to challenge students through a rigorous curriculum with opportunities for critical thinking and problem solving opportunities. Honors and AP courses are designed for students who have a passion in a subject and are willing to put in extra time and dedication to explore the subject on a deeper level. Students should be prepared to take initiative, apply new material to prior concepts, and seek challenges. Students taking AP courses are expected to take the AP exam for the designated course in May.

Recommendation for consideration of taking an honors or AP course:

- Students who earn a semester one grade of 85% or higher in the current honors or AP course should consider the honors or AP course for the following year (in same discipline). Second semester grades below an 85% will result in a review of placement, regardless of request.
- Students who earn a semester one grade of 95% or higher in an on level (college preparatory level) should consider moving to the honors or AP level in the following year. Second semester grades below a 90% will result in a review of placement.

Discipline Specific Placement Notes

English

Honors English 1	Freshmen students will be placed based on their scores on the Verbal Aptitude and Reading Comprehension portions of the ISEE, and information from their application.
Honors English Seminar	An application process is required for admission into Honors English Seminar. All those who request the course will be invited to the application process.
Students in on-level wishing to add Honors/AP English for subsequent year	Students should sit for a timed writing prompt. Students should speak with their current teacher about the process. Deadline for completing this process is the conclusion of course selection.
Language	
AP Spanish	Students may enter AP Spanish from Honors Spanish 3 with a grade of 95% or higher or from Honors Spanish 4 with a grade of 85% or higher.
Math	
Students wishing to double track will need to obtain departmental recommendation through their current teacher.	
Incoming students	Placement is based on the ALEKS placement test and ISEE.
All Honors or AP courses	Students must meet grade requirements (noted above) for all previous classes in Math. Students may be asked to sit for placement assessment if not meeting placement requirements and/or teacher recommendation.
AP Statistics	Students with an 85% or higher in the first semester of Algebra 2, a 90% or higher in Algebra 2/Trig, or an 80% or higher in PreCalc or honors PreCalc
AP Calculus	AP Calculus BC will follow the outlined standard requirements. Students with an 80% or higher in PreCalc or 70% in Honors PreCalc will be accepted into AP Calculus AB.
Science	
Honors Biology	Placement is based on the ISEE subsection scores.
Honors Chemistry	Semester 1 math grades and teacher recommendation are considered for placement.
AP Physics all levels	Semester 1 math and science grades will be considered for placement.
AP Physics C	Concurrent enrollment in Calculus is required.
AP Environmental Science	Open enrollment for juniors and seniors.
Social Studies	
AP World History	Students must meet the following requirements: <ul style="list-style-type: none"> • Cumulative GPA of 90% or higher • Semester 1 grade >90% in English 1 or >85% in Honors English 1 • Foundation and Geography grade >90% and teacher recommendation
AP Human Geography; AP European History; AP Comparative Government; and AP Psychology	Open enrollment for seniors

Counseling Department

093 Health Seminar

Grade levels eligible: 9th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Regular

Description: This is a required course for all freshmen. Instructors talk through important topics, including the following: drugs and alcohol, social media, nutrition, and integrity. It lasts for 7 weeks and meets one day per week.

Theology Department

112 Old Testament Scripture

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course explores the Hebrew Scriptures (Septuagint Canon) as the partial record of the religious interpretation of God's actions in the history of humanity, beginning with the Jewish people . Students will come to understand and appreciate the wisdom, diversity and unity of these writings as the final authors and editors assembled their revelations of God. To prepare them for their future study of Christianity's additional scriptural revelation, students will be aided by a study of Ignatian spirituality and a general introduction to key Christian concepts.

124 New Testament and Christian Discipleship

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The purpose of this course is to invite sophomore students to explore the Gospels, foster a better understanding and personal relationship with Jesus Christ, who invites them to discover the call of Christian discipleship. Students will understand the values of the Gospels, the institution of the Catholic Church and her mission for social justice, all of which support the students' reflection and analysis of how they are called to be a disciple in the world today .

136 Sacraments, Morality & Justice

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is an introductory philosophical theology course that will trace the development of Christian thought from the foundations of ancient Greek philosophy to the development of modern

theology. Students will come to understand the sacramental nature of the church from both a theological and philosophical lens. Through the Church and its sacraments students will understand that they can encounter Christ today in a real way, especially through the Eucharist. The student is assisted in achieving a better awareness and understanding of the nature and meaning of Christian morality, particularly within a Catholic Christian context, in order to assist them in making better and wiser moral judgments. The intention of this course is to help students to live their convictions through thought and action. Emphasis is placed on those tools necessary to make moral decisions. Building upon the student's background in morality, the young adult is exposed to the complexities of global economic and social systems.

147 Christian Relationships

Grade levels eligible: 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: College Preparatory

Description: The emphasis in this course is to pursue the meaning of the commandment "love one another" and to more fully understand the theological belief that "God is Love." Our humanness, centered on our call to love as Christ loved, is understood through our relationship to self, to others and to God. Main topics examined in this course include: self-awareness and understandings needed for human growth and maturity; recognition and exploration of the ways in which humanity may need to achieve that self-awareness and understanding, in order to live in the world as called by the Catholic Church; friendship and the physical, psychological and social differences in being male or female in a relationship, as well as the societal structures which help and hinder those differences; forms and functions of love and the totality of human sexuality as a way of being fully human in this world; the ideal and viability of the family in contemporary society; vocations as the envisioned experience of Catholic Church for living in the world and working towards building the Kingdom of God. The units that explore these themes are: The Self, Friendship, Love and Sexuality, Family, Father.

167 Interreligious Dialogue

Grade levels eligible: 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: College Preparatory

Description: The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. The course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions.

177 History of the Catholic Church

Grade levels eligible: 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: College Preparatory

Description: The purpose of this course is to equip students with a general knowledge of the history of the Catholic Church from apostolic times to the present. In this course, students will learn about the Church's two-thousand year history and about how the Church is led and governed by the successors of the Apostles as well as the impact of the Church on the world today.

178 Church History and the Society of Jesus

Grade levels eligible: 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: College Preparatory

Description: Starting with the Protestant Reformation, this course will examine 500 years of church history through the lens of the Society of Jesus. For nearly five centuries, the Society of Jesus has been one of the most successful and, at times, most controversial religious orders in the Catholic Church. They also have had major impacts on the global Church as well as secular society. Students will be asked to engage with such questions as: What have been the characteristics of the Society of Jesus and its associated works? What has changed and what has remained the same since the time of Ignatius? Who have been the most influential people in this history and what have been their lasting impacts on the Church, the Society, and us today? Finally and perhaps most importantly, students will reflect on “What does the “Jesuit” part of my “Jesuit education” really mean?”

182 Justice: Environmental

Grade levels eligible: 12th Grade

Length (semesters): 1 (Fall Only)

Credits: 0.5

Course Type: College Preparatory

Description: The purpose of this course is to advance students' study of social justice and Catholic Social Teaching (CST) with a particular focus on the Environment. Students are to learn how Christ's concern for others, is reflected in caring for God's creation, the benefits and detriments impact on humanity, in particular the poor and needy, is present today in the Church's social teaching and mission.

185 Justice: Peace & Conflict

Grade levels eligible: 12th Grade

Length (semesters): 1 (Fall Only)

Credits: 0.5

Course Type: College Preparatory

Description: This course is intended to advance students' study of social justice and Catholic Social Teaching (CST), with particular focus on the themes of Peace (making) and Conflict. Students will orient their examination in the person of Jesus Christ and his call to peace and justice in the Gospels. Students will explore how this message of social justice is advanced through the Catholic Church's history, social thought, and doctrine. The course will guide students into an informed and thoughtful examination of historical and current events marking episodes of war and conflict and engage the learner in considering the just social and economic conditions that may help prevent and reconcile the effects of war and conflict in our world.

187 Justice: Economic

Grade levels eligible: 12th Grade

Length (semesters): 1 (Fall Only)

Credits: 0.5

Course Type: College Preparatory

Description: This one semester senior elective provides an introduction to the main principles of Catholic Social Teachings (CST). It attempts to explore through discussion the official teaching of the church and historical trends that have shaped CST. The central focus will be on issues concerning economic justice, with a particular focus on the Church's teaching concerning the "preferential option for the poor." In a statement published by the USCCB in 1996, they suggest that the moral measure for a healthy economy depends primarily on how its poor are faring. It is in that spirit that this course will challenge students to evaluate economic success through a communal lens with concern for the mutual well-being of all members of society.

English Department

212 English 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is a foundation-building course. There are three main areas of study: grammar, literature, and composition. There is a comprehensive review of grammar on the freshman level. Students are quizzed over grammatical rules and are asked to apply usage rules to their writing. Students read many works of literature, covering all the genres. Students read short stories, several novels, essays, plays, and poems. Sentence structure and paragraph development are the primary focus of the students' writing. Besides writing different types of paragraphs, students write essays and critical papers over what they read. Creative writing is also covered through journals and poetry.

213 Honors English 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This is a foundation-building course. The course is also reading and writing intensive. There is a review of grammar rules and usage problems. Students are asked to apply what they learn in the grammar review to their own writing. They read short stories, essays, novels, plays, and poetry. From classic works of literature to contemporary novels, all the genres are covered over the course of the school year. Students are asked to discuss the literature and to write and revise critical essays over the works read. Students write different types of paragraphs, essays, critical papers, and poems.

224 English 2

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: English 2, the sophomore English course, builds upon the foundation of reading, writing, and associative thinking skills introduced during freshman year. Students discover classic literary works

whose ideas have shaped our culture, such as *The Great Gatsby* *Twelve Angry Men*, and the short stories and poems of Twain, O'Connor, Hawthorne, Faulkner and other writers. They acquire a deeper understanding of the literary genres of tragedy and comedy, and basic knowledge of rhetorical analysis. Finally, through several essay assignments, in-class activities, and writing conferences, they repeatedly practice expository writing and receive immediate feedback, helping them internalize the movements of the writer.

225 Honors English 2

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: In addition to the material covered in English 2, Honors English 2 continues the work begun in Honors English 1. Close reading and writing assignments are more rigorous and students concentrate on American literary themes.

235 AP Literature and Composition

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course follows the theoretical structure of English 3. Supplemental readings include established literary classics, which provide students an opportunity to read texts closely, examining how diction, imagery, details, language, and sentence structure affect meaning and tone. Students work throughout the year mastering these skills of literary argument both in oral form and in written form. Written work primarily includes demonstrating mastery of the literary argument, positing a sophisticated thesis for one thousand to two thousand word essays. By May, the student should be prepared to succeed on the AP Literature & Composition exam. This course will include a summer reading/writing assignment.

236 English 3

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Junior English explores the major literary works and periods of British literature: *Beowulf*, *The Canterbury Tales*, Shakespeare, Romantic Age, and Victorian Age. Supplementary texts are often assigned, for example, *Great Expectations*, *Lord of the Flies*, *The Tempest*, *The Power of One*, and *Frankenstein*. Class discussion encourages students to identify the larger patterns of epic, tragedy, comedy, and lyric. In addition, students concurrently develop analytical writing skills, primarily positing a literary thesis and defending it in an organized essay with well-elaborated, coherent paragraphs. Writing topics are literary and at times incorporate secondary research material. Moreover, the study of grammar is used as a means to improve and comment on writing style and sentence structure, exploring a more sophisticated understanding and use of language.

247 AP Language & Composition

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course prepares students to take the College Board's AP Language and Composition exam. The course content examines the rhetorical strategies used to communicate some of the central philosophical ideas of Western culture; we will explore this thinking primarily through the reading of the nonfiction essay, but also investigate some forms of fictional drama, short story, and poetry. Writing assignments focus on the close reading of texts and communicating how those texts produce ideas.

252 English 4, Southwest Literature

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Using college level texts and film, students study significant literature emerging out of the southwest region of the United States. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences . The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level.

253 English 4, Non-Fiction

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Using memoir, biography, essay, and speeches, students study culturally and historically significant works of non-fiction. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences . The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level.

254 English 4, World Literature

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Using college level texts and film, students study literature from around the world, focusing on Africa, Asia, and Latin America . Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences . The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level.

255 English 4, Modern American Literature

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Using college level texts and film, students study various genres, exploring literary contributions in the United States after 1950. Students will be challenged to read for depth and detail, to think critically and participate in class discussions, and to write for a variety of purposes and audiences. The specific purpose of Senior English is to prepare students to succeed in English 101 and 102 at the university level.

257 Honors English Seminar

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The Honors Senior English Seminar is concerned with creative growth and is based on the assumption that the act of thinking and creating makes living enjoyable and worthwhile. The Seminar encourages the student to recognize his individual viewpoint and to value the process of his own intellectual growth. The teacher serves as a guide and resource for those engaged in discussing and grappling with the complex issues of their culture in a spirit of collaboration. The course is concerned with examining significant works of contemporary literature and other art forms. In addition, the student presents a Seminar Project at the end of the year, one that has engaged his interest and concentration for several months.

Language Department

312 Latin 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The first Latin course provides students with a solid grounding in Latin grammar, syntax, and vocabulary. They will use this knowledge to read simple Latin texts about Roman life, history and mythology. Students will broaden their English vocabulary and deepen their understanding of both the Latin and English languages. They will also gain an understanding of Classical civilization that will enrich their knowledge of literature, history, philosophy, theology, and art.

313 Honors Latin 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: Honors Latin 2 requires diligence, organization, attention to detail, and exemplary study skills as we delve into complex variations of the Latin language and its usages. Honors Latin 2 begins with a review of material from Latin 1. The Honors Latin 2 course is designed around Latin readings that continue to introduce students to vocabulary, grammar and Roman culture, history, and mythology. Students will expand their vocabulary and begin to learn more complex and detailed grammar. All students will be expected to come prepared to memorize the material that is required to read and write Latin sentences.

314 Latin 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Latin 2 begins with a thorough review of material from Latin 1. The Latin 2 course is designed around Latin readings that continue to introduce students to vocabulary, grammar and Roman culture, history, and mythology. Students will expand their vocabulary and begin to learn more complex grammar. All students will be expected to come prepared to memorize the material that is required to read and write Latin sentences.

315 Honors Latin 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: Honors Latin 3 requires diligence, organization, attention to detail, and exemplary study skills as the class delves into complex variations of the Latin language and its usages. Honors Latin 3 begins with a thorough review of material from Honors Latin 2 followed up with additional grammar lessons concerning complex sentence forms and structures. Short readings from authentic classical Latin texts will include poetry and prose by authors such as Livy, Catullus, Eutropius, and Ovid.

316 Latin 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Students in Latin 3 will continuously reinforce previously acquired syntax, grammar, and vocabulary as they become familiar with Latin literature. Latin 3 begins with a thorough review of material from Latin 2 followed up with additional grammar lessons concerning complex sentence forms and structures. Short readings from authentic classical Latin texts will include poetry and prose by authors such as Livy, Catullus, Eutropius, and Ovid.

317 Honors Latin 4

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: Honors Latin 4 is an advanced course given over completely to reading and studying ancient Roman authors and their culture through their literature. Students who enroll in Honors Latin 4 will have a strong grasp of the Latin language, having already studied Latin for at least three years. In this course, students will read and analyze Latin texts such as Vergil's Aeneid, Ovid's Metamorphoses, Caesar's De Bello Gallico, etc.

320 Spanish 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is an introductory level of Spanish intended for students who have had minimal exposure to Spanish in any classroom setting with developing proficiency. Placement is based on the Placement Test and/or transcript review.

322 Spanish 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is an introductory level of Spanish 1 - intended for students with some exposure to Spanish in the classroom setting but minimal proficiency. Placement is based on the Placement Test and/or transcript review.

323 Honors Spanish 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of Honors Spanish 2 covers much the same vocabulary and grammar as Spanish 2, but at a deeper level. Cultural studies include investigation into realms within the Hispanic culture and that of Spanish speaking countries. The expectations of the teacher will be heightened and the progress accelerated. Students who aspire to take AP Spanish later in their Jesuit career should enroll in this class if they meet the grade requirements.

324 Spanish 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Much of the first semester of Spanish 2 contains a thorough review of material from Spanish 1 and the integration of this vocabulary and grammar within more involved speaking, reading, writing and listening activities. Later on, new vocabulary is combined with an in-depth look at both past tenses as well as commands. Vocabulary themes include school, family, communities, food, and health. Oral and written production and comprehension are emphasized. Cultural studies include investigation into realms within the Hispanic culture and that of Spanish speaking countries.

325 Honors Spanish 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The majority of this class is conducted in Spanish. As this is a preparatory course for AP Spanish, students should be prepared to study challenging grammar points in detail, as well as discuss and provide opinions on more global themes. The approach will be quantitatively more intense in terms of grammar skills, speaking, reading, and listening skills. The expectations of the teacher will be heightened and the progress accelerated compared to that of Spanish 3.

326 Spanish 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Much of the first semester of Spanish 3 recycles and reviews previously learned grammar concepts and essential vocabulary terms via more holistic speaking, reading, writing and listening activities. The themes of social life and travel themes are covered in conjunction with several new grammatical concepts and certain Historical and cultural topics. Much of the second semester involves reading a Spanish novel together; students speak and write about the themes found in its content.

327 AP Spanish Language & Culture

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The Advanced Placement Spanish Language course emphasizes the use of language for active communication. As such, the class will be conducted exclusively in Spanish as students and instructor communicate with one another. The course objectives are: 1) the ability to understand spoken Spanish in various contexts, 2) the continued development of an ample Spanish vocabulary, especially as it relates to the six themes of the course, and 3) the ability to express oneself in Spanish both in speech and in writing, coherently, resourcefully, and with reasonable fluency and accuracy. Many class activities will be designed to practice the AP Spanish test format, with additional lessons and units involving poetry and Spanish short stories.

328 Spanish 4

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Format progresses toward an immersion Spanish class; open to students who have completed Spanish 3 and who wish to further develop their listening and speaking skills. This class includes an overview of grammar necessary to converse in good form on various topics such as travel, the anticipation of college, relationships with family and friends, cars, health, cooking, city life, culture and computers. Vocabulary building and situational conversation will be emphasized.

329 Honors Spanish 4

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: Conducted almost exclusively in Spanish. Review of grammar with emphasis on complex structures, exceptions and idioms. While vocabulary topics will include many of the same areas as Spanish 4, the class will also include discussion of current events, spontaneous conversations and development of advanced speech patterns. Students will read short stories and utilize Spanish sites on the Internet in preparation for discussion. Many of the activities mirror those in the AP Spanish Language and Culture class in order to prepare those students planning to enroll in that course the following year.

332 French 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course is for students who have had little or no formal instruction in French. Emphasis is on building everyday vocabulary through significant reading and oral production, as well as formation of correct pronunciation habits and phonetics. In addition to grammar and vocabulary concepts, students are introduced to the culture of the francophone community. As the year progresses, students expand their knowledge through listening, speaking, reading, and writing activities.

333 Honors French 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of Honors French 2 will be essentially identical with that of French 2. There will be additional projects, presentations, and in-class discussions that will further develop the students' language skills. The approach will be qualitatively more intense in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened and the progress accelerated.

334 French 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: During the French 2 year, there is significant vocabulary expansion, as well as presentation of major grammatical concepts (past, future, conditional tenses). Students build their knowledge through listening, speaking, reading, and writing activities. Emphasis continues to be placed on oral production and comprehension with students producing written dialogues and projects.

335 Honors French 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of Honors French 3 is similar to that of French 3, but with additional projects, presentations, and in-class discussions to develop the students' language ability. The approach

is qualitatively more intense, in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened and the progress accelerated.

336 French 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The French 3 student is on the threshold of holding spontaneous conversations using everyday vocabulary. The review of previously-learned grammar concepts is combined with exceptions, details and new vocabulary to produce longer oral and written discourses. Students learn to talk about real life situations in present, past and future actions, as well as the history, art, current events and geography of France and French speaking countries. Students build their knowledge through listening, speaking, reading, and writing activities. Emphasis continues to be placed on oral production and comprehension, with students producing written dialogues and projects.

339 Honors French 4

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: In the French 4 Honors class, students engage in an immersive and advanced language learning experience aligned with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines. Building upon the proficiency levels attained in previous courses, this class focuses on refining the four language skills—listening, speaking, reading, and writing—while emphasizing cultural competence and critical thinking. The curriculum incorporates authentic materials such as literature, films, and current events to deepen students' understanding of French-speaking countries and enhance their language proficiency. Through interactive discussions, debates, and projects, students explore complex grammatical structures and nuanced vocabulary, aiming for increased fluency and accuracy in their communication. The class also encourages students to analyze and reflect on cultural nuances, fostering a deeper appreciation for the Francophone world and developing their ability to express themselves with sophistication and cultural sensitivity.

338 AP French Language & Culture

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The Advanced Placement French Language course emphasizes the use of language for active communication. As such, the class will be conducted exclusively in French as students and instructor communicate with one another. The course objectives are: 1) the ability to understand spoken French in various contexts, 2) the continued development of an ample French vocabulary, especially as it relates to the six themes of the course, and 3) the ability to express oneself in French both in speech and in writing, coherently, resourcefully, and with reasonable fluency and accuracy. Many class activities will be designed to practice the AP French test format, with additional lessons and units involving poetry and French short stories.

341 Honors Heritage Spanish 1

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This course is conducted exclusively in Spanish and is designed for students who are exposed to and/or speak Spanish at home or with family members. Students advance their proficiency levels by improving their reading and listening comprehension skills and their speaking and writing production abilities. The course deepens students' exploration of the Spanish-speaking world's cultural traditions, practices, and products to aid them in becoming intercultural and global citizens. Through the study of certain global themes, students acquire awareness of certain social justice principles, deepen their appreciation for other languages, and develop empathy for other cultures.

342 Honors Heritage Spanish Learner 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This course is conducted exclusively in Spanish and is designed for students who are exposed to and/or speak Spanish at home or with family members. It continues to develop the four communicative skills and the cultural investigations and appreciations that students practiced and explored in the Heritage Learner 1 course. Many of this class's activities and assessments are designed around the AP Spanish exam's format so to begin to prepare them for success in both the AP Spanish class and on the AP Spanish exam.

361 Mandarin 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course is for students who have had little to no prior experience studying Mandarin Chinese. Students will learn the pinyin Romanization system and read and write simplified characters. Emphasis is on building everyday vocabulary while students are introduced to basic grammar and sentence structures. Cultural topics include family, food, history, current affairs, and film.

362 Honors Mandarin 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of Honors Mandarin 2 will be essentially identical with that of Mandarin 2, but with additional projects, presentations, and assignments to develop the students' language ability. The approach will be qualitatively more intense, in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened and the progress accelerated.

363 Mandarin 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Mandarin 2 begins with a thorough review of material from Mandarin 1 and the integration of this vocabulary and grammar within more involved speaking, reading, writing and listening activities. Students will continue to build their knowledge of Chinese culture and history through a variety of projects and activities. Emphasis continues to be placed on written and oral production with students producing dialogues and projects.

364 Honors Mandarin 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of this course is essentially identical to that of Mandarin 3, but with additional projects, presentations, and assignments to develop the students language ability. The approach will be qualitatively more intense, in terms of grammar skills, speaking, reading and listening skills. The expectations of the teacher will be heightened and the progress accelerated.

365 Mandarin 3

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The curriculum of Mandarin 3 will continue to develop students grammar skills, listening, reading, and speaking abilities through projects, presentations, and assignments. Students will continue to develop their ability to use the internet to navigate the Mandarin-speaking internet, and will be expected to spend more time engaging with authentic materials independently outside of class. Culture will continue to be an integral part of the course, with increasing opportunities for students to tailor activities and presentations to their own interests.

367 Honors Mandarin 4

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: The curriculum of Mandarin 4 will continue to develop students' grammar skills, listening, reading, and speaking abilities through projects, presentations, and assignments. Extra emphasis will be placed on clearly communicating in the target language while navigating real-life tasks that arise when studying or travelling in a Mandarin-speaking country. Studying authentic materials and requiring the usage of the target language to navigate the Mandarin-speaking internet will compose a large component of the course.

Social Studies Department

501 Geography and Foundations

Grade levels eligible: 9th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This one semester geography and world history course is designed to immerse students in the foundations of human civilizations and cultures. This course for freshman Jesuit students develops their historical thinking skills, including argument interpretation and construction, source analysis, and reading comprehension. Students will be introduced to contextual analysis, cultural understanding, and ethical reasoning with the purpose of facilitating their growth as empathetic agents in the world.

513 AP World History

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: AP World History is a survey course that follows the overall scope, sequence and format of the College Board's AP World History Course Description in preparing students for the AP World History Exam. The course is designed to foster critical thinking skills and habits of mind as students analyze the changes and continuities of human civilization across time and place. It seeks to look at the broad development of humanity at a more global level, and it focuses on many cultures and societies outside those usually considered part of Western Civilization. The course assumes students are highly motivated with excellent reading and study habits and that they are willing to accept the challenges of a college level course as high school sophomores.

514 World History

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This two semester world history course is designed to immerse students in the broad historical and geographic processes that have shaped human civilization, with particular emphasis on developing a global perspective in order to dispel misconceptions, increase respect for diverse viewpoints, and expand their own worldview while confidently being able to clearly articulate it. Students will analyze the current global context by exploring the historical events, patterns, trends, and exceptions that have shaped it with the purpose of better understanding themselves and the world around them. The course will require students to engage in rigorous dialogue, debate, and questioning of sources, assumptions, and arguments in order to develop their ability to discern the truth and make ethical choices in the midst of ambiguity.

519 Rhetoric and Civics

Grade levels eligible: 9th Grade, 10th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: Rhetoric and Civics is a one semester course designed to foster critical thinking. The course will focus on introducing students to the prevalence of argument in modern society (i.e. relationships, politics, law, media), the argument process, and the creations of argument. The course will introduce students to types of evidence, reasoning devices, research skills, organizational skills, and critical analysis.

524 AP United States History

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course is structured to prepare students to achieve the greatest possible success on the AP U.S. History Exam in the Spring. This course is a survey in United States history from the early days of exploration to the USA's postwar superpower status. Its purpose is to help students gain insight and demonstrate an appreciation for the American phenomenon both internationally and domestically. Emphasis is placed on the historical, social, political, economic and intellectual issues, and how they relate to the maturation and development of the country. Success in this course will require students to integrate and apply knowledge gained from the synthesis of thorough lecture notes, participating in class discussion, completing all assigned activities, text readings and outside readings; independent initiative, motivation and dedication to academic success are assumed.

526 U.S. History

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is a two semester survey of United States history from its New World beginning through the major events of the twentieth century and into the twenty first. Students will investigate the United States struggle to define and practice its democratic ideals throughout its development and refinement.

537 AP United States Government & Politics

Grade levels eligible: 12th Grade

Length (semesters): 1 (Fall Only)

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: This one semester college level course in United States government and politics brings critical perspective to the study of general concepts used to interpret United States politics and the analysis of specific case studies. Through lecture, discussion, original source readings, focused research, and simulations, the course allows students to understand and appreciate the various institutions, groups, beliefs, and ideas that make up the United States' political reality. The AP course is designed to

aid the student to achieve the greatest possible success on the AP Government examination.

538 Government

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This one semester course in Government introduces students to the structure and function of the American governmental system along with the nature of American politics. An investigation of the Constitution and its development opens the way to focus on how various governmental officials achieve and wield power. Campaigning and elections, policy making, and the media's role in politics are given explicit attention. How the three branches of the national government work together through balance of power and the checks and balances system, how the Congress makes law, the President executes law and the courts review law are all investigated thoroughly to enlighten students about the American government's responsibility to citizens and their own social and civic responsibility.

547 AP Macroeconomics

Grade levels eligible: 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: This one semester college level course is an analysis of the economy as a whole. Students examine the organization and function of the economy through lectures, readings, and focused research projects demanding evaluation and synthesis. Topics covered include money and banking, national income, public finance, and international linkages. The AP course is designed to aid the student to achieve the greatest possible success on the AP Macroeconomics examination.

548 Economics

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This one semester course is taken in the senior year. Through lecture, discussion, research project, evaluative activities and diagnostics, and student presentations, students demonstrate mastery of essential economic concepts such as the operation of markets, national income, and money and banking. Special consideration is given to an extension of socio-economic issues and social justice issues.

557 International Relations

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: International Relations as a field is the study of interactions between countries. Over time, international relations scholars have developed theories or frameworks for understanding the things they observe in real life. But these theories are only significant if they can explain the actual events that occur in international relations. As a result, the course will explore both theory and how it applies to real

world policy issues. Issues discussed may include proliferations of weapons of mass destruction, terrorism, US-Russia relations, US-China relations, US-Middle East relations, US-Latin America relations, USA economic trade policy, and global climate change among other current issues facing the United States in its interactions with the rest of the world.

562 AP Human Geography

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The aim of an AP course is to provide the student with a learning experience equivalent to that obtained in most college introductory human geography courses.

565 AP Comparative Government & Politics

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: This one semester elective provides an intensive study of institutions, political and social structures, populations, beliefs, and ideas that constitute political life and activity in six exemplary countries, including Great Britain, Iran, Russia, China, Nigeria and Mexico. Students will master the comparative method of political analysis that will enable them to uncover fundamental principles of political organization through comparison of political systems. The course will also explore differences in political institutions, regime types as well as economic systems.

573 AP Psychology

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with psychology. They also learn about the ethics and methods psychologists use in their science and practice. In particular, the AP Psychology course seeks four primary goals: give students a working knowledge of the theories and key concepts of each of the major subfields within psychology; expose them to many of the contributing psychologists and significant research studies, both historical and current, that have shaped our understanding of behavior and mental processes; train them to apply psychological principles and understand connections between ideas and theories; and leave them with an appreciation of the scientific methods and ethical procedures that produce such knowledge.

580 Historical Concept of War

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This one semester course examines the concept of war from several historical perspectives. First, students will examine Just War Theory to understand the arguments for war as a moral, or immoral, exercise of organized violence to achieve political ends. The course will then present different approaches to strategy, stressing Clausewitz's principles of war as outlined in Das Krieg, Machiavelli's The Prince, and U.S. Army Field Manual 100-5. The instructor will present an analysis of a specific war, applying the concepts of just war and military strategy. Students will then, in groups, produce a similar analysis of a war, and present that analysis to the class. Students must be prepared for this extensive group work and group presentation, as a major part of the course grade will be derived from this work.

581 History of Hip-Hop

Grade levels eligible: 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This course will examine the political, cultural, and socioeconomic roots of hip-hop and its global expansion. From its Jamaican cultural influences to its creation by Black and Latino youths in New York, this class will chart the growth of the cultural movement, explore the major themes and critiques, and examine its commercialization and globalization. The goal of this course is to increase empathy for the communities from which hip-hop culture originated while thinking critically about the values espoused not only in hip-hop but mainstream media and culture as a whole. Students who take the course must be comfortable engaging with explicit material for academic purposes. (.5 credit)

583 AP European History

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: AP European History is a survey course that follows the overall scope, sequence and format of the College Board's AP European History Course Description in preparing students for the AP Exam of the same name. The course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods. Also, students develop the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past.

595 Social Justice & Public Policy

Grade levels eligible: 12th Grade

Length (semesters): 2 (Required of all seniors - meets on Wednesday after Service)

Credits: 0.5

Course Type: College Preparatory

Description: This course offers seniors the opportunity to explore the historical development and application of Catholic Social Teaching. The course is supplemented with personal reflections that relate to the senior's specific community service site and the relationship their work and these agencies have in building a better world. During the course, students delve more deeply into a wide range of social justice themes that integrate their more theoretical learning with their specific area of senior community service. The course is founded on the principles of Social Justice thought in the Jesuit tradition. Topics include: poverty, legal systems, childhood education, special education, immigration, elder care, human dignity, homelessness, just war, health care, and modern social structures. This class meets once a week, attends guest speaker presentations, and culminates with a Capstone Project.

Mathematics Department

611 Honors Algebra 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. In this class, students will develop the ability to implement mathematical processes, explore and model real-world applications, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly. This course lays the foundation for mathematical literacy that will help students be successful in every subsequent course in mathematics.

612 Algebra 1

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. In this class, students will develop the ability to implement mathematical processes, explore and model real-world applications, demonstrate the appropriate use of graphing calculators, and communicate mathematical ideas clearly. This course lays the foundation for mathematical literacy that will help students be successful in every subsequent course in mathematics.

614 Algebra 2

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This freshman level course has topics that include solution techniques for a variety of linear

and quadratic equations and inequalities and systems, using both algebraic analysis and matrix algebra on the graphing calculator. This is to be followed by analysis and simplification of exponential, logarithmic, rational, polynomial (including those of degree 3 and greater) and irrational functions. Finally the set of complex numbers, the conic sections, series and sequences and probability and statistics are introduced. Students are encouraged to develop a diverse set of problem solving skills, including technological approaches, through work on numerous application problems in each section.

615 Honors Algebra 2

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This freshman level course has topics such as solution techniques for a variety of linear and quadratic equations and inequalities and systems, using both algebraic analysis and matrix algebra on the graphing calculator. This is to be followed by analysis and simplification of exponential, logarithmic, rational, polynomial (including those of degree 3 and greater) and irrational functions. Finally the set of complex numbers, the conic sections, series and sequences and probability and statistics are introduced. Students are encouraged to develop a diverse set of problem solving skills, including technological approaches, through work on numerous application problems in each section. Assignments and tests include more challenging problems and more creative solution techniques.

621 Honors Geometry

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This course introduces students to the fundamental geometric principles of logical argument, reasoning, and proof. From points, lines and angles, congruence and similarity, triangles, quadrilaterals, circles and other 2-D and 3-D figures, students will learn essential skills for subsequent math courses as they develop their intuition, investigate patterns, develop and verify their conjectures, and justify their reasoning and solutions.

622 Geometry

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course introduces students to the fundamental geometric principles of logical argument, reasoning, and proof. From points, lines and angles, congruence and similarity, triangles, quadrilaterals, circles and other 2-D and 3-D figures, students will learn essential skills for subsequent math courses as they develop their intuition, investigate patterns, develop and verify their conjectures, and justify their reasoning and solutions.

631 Honors Algebra 2/Trigonometry

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This course builds on the skills learned in Algebra 1 and introduces students to the conceptual understanding and application of polynomial, rational, radical, inverse, exponential, and logarithmic, and trigonometric functions. Emphasis is placed on applications in geometry, physics, and engineering and the use of appropriate current technology. Problem-solving skills are nurtured through complex equations and real-world scenarios. This course equips students with a comprehensive toolkit for future mathematical challenges, fostering analytical thinking and preparing them for advanced studies for Precalculus and beyond.

632 Algebra 2/Trigonometry

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course builds on the skills learned in Algebra 1 and introduces students to the conceptual understanding and application of polynomial, rational, radical, inverse, exponential, and logarithmic, and trigonometric functions. Emphasis is placed on applications in geometry, physics, and engineering and the use of appropriate current technology. Problem-solving skills are nurtured through complex equations and real-world scenarios. This course equips students with a comprehensive toolkit for future mathematical challenges, fostering analytical thinking and preparing them for advanced studies for Precalculus and beyond.

657 AP Statistics

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course may be taken following Precalculus, concurrently with Calculus, or concurrently with Precalculus. The focus of the course is preparation for successful completion of the AP Statistics Exam. Topics are similar to those for Statistics with emphasis on those topics listed by the College Board.

658 Statistics

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This senior level course equips students with the essential tools to interpret, summarize, and draw meaningful conclusions from data. Covering key topics like probability, hypothesis testing, and regression analysis, students will develop the skills to make informed decisions and critically evaluate information. Practical applications and real-world examples enhance understanding, empowering students to navigate the data-driven landscape. "Statistical Insight" is a gateway to statistical literacy, providing a solid foundation for academic and professional pursuits in diverse fields where data-driven insights are crucial.

663 AP Precalculus

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The focus of this senior level course is preparation for the successful completion of the AP Precalculus Exam. Topics are similar to those for Precalculus with emphasis on those topics listed by the College Board.

662 AP Precalculus

Grade levels eligible: 10th Grade, 11th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The focus of this junior level course is preparation for the successful completion of the AP Precalculus Exam. Topics are similar to those for Precalculus with emphasis on those topics listed by the College Board.

668 Precalculus

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The focus of this senior level course is preparation for a college level calculus course by exploring in greater detail the properties of functions necessary for higher mathematics: polynomials, rationals, exponentials and radicals, logarithms, trigonometric functions, and inverse functions. Through comprehensive modeling and application exercises and the use of appropriate current technology, students will develop a deep understanding of the mathematical concepts and the analytical and critical thinking that will prepare them for the challenges of higher-level mathematics and scientific disciplines.

670 Precalculus

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: The focus of this junior level course is to prepare students for calculus in their senior year or at the college level by exploring in greater detail the properties of functions necessary for higher mathematics: polynomials, rationals, exponentials and radicals, logarithms, trigonometric functions, and inverse functions. Through comprehensive modeling and application exercises and the use of appropriate current technology, students will develop a deep understanding of the mathematical concepts and the analytical and critical thinking that will prepare them for the challenges of higher-level mathematics and scientific disciplines.

676 Calculus

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This senior-level course will introduce students to the concepts, methods, and applications of differential and integral Calculus with an emphasis on science, engineering, and other real-world problem-solving applications. Students will work to develop an intuitive understanding of limits, derivatives, integrals, and mathematical modeling and will gain insight into the fundamental principles that underpin change and accumulation. Students will cultivate critical and analytical thinking skills as they solve challenging and complex problems that prepare them for their introductory college-level courses.

677 AP Calculus BC

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The focus of this introductory college-level course is preparation for the successful completion of the AP BC Calculus Exam. Students will cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Topics are presented using graphical, numerical, algebraic, and verbal approaches with an emphasis on the use of appropriate technology. Students who successfully complete this course and the AP exam may qualify to earn credit and/or placement at most colleges and universities.

678 AP Calculus AB

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The focus of this introductory college-level course is preparation for the successful completion of the AP AB Calculus Exam. Students will cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Topics are presented using graphical, numerical, algebraic, and verbal approaches with an emphasis on the use of appropriate technology. Students who successfully complete this course and the AP exam may qualify to earn credit and/or placement at most colleges and universities.

680 Multivariable Calculus

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This is an online course offered through the Jesuit Schools Network. Approval required.

Science Department

711 Honors Biology

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This course entails the study of molecules, cells, genetics, evolution, microbiology, botany, invertebrates, vertebrates, human biology and ecology. In order to understand the application of these concepts, presentations are made to the students using graphic animations and computer presentations. Students are required to have lab on these topics once a week.

712 Biology

Grade levels eligible: 9th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This course entails the study of molecules, cells, genetics, evolution, microbiology, botany, invertebrates, vertebrates, human biology and ecology. In order to understand the application of these concepts, presentations are made to the students using graphic animations and computer presentations. Students are required to have lab on these topics once a week.

717 AP Biology

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course is taught at the same level of a major class during the first year of college. All of the same topics are covered that are covered in the Introductory Biology course but to a greater depth. Some of the topics that are investigated at this level are cellular respiration, photosynthesis, Mendelian and biochemical genetics, and evolution. Since this class is taught at the college level, grades are derived from tests, essays, readings, and labs.

723 Honors Chemistry

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: Honors

Description: This honors chemistry course examines several fundamental topics in chemistry in greater detail than the regular chemistry course, providing a thorough preparation for the Advanced Placement Chemistry course. Students are expected to consult outside sources and integrate current events with the material from the textbook and class discussion. Students learn to apply the principles of chemistry in order to make well-reasoned predictions, develop and perform laboratory experiments, and support scientific conclusions through calculation. Topics discussed in the first semester include: scientific measurement, atomic theory, nuclear chemistry, the periodic table, bonding, nomenclature, reaction types, and stoichiometric calculations. Building upon the foundation of the first semester, in the second semester we consider each of the following: gas laws, solutions, thermochemistry and reaction kinetics, acid-base chemistry, chemical equilibria, and oxidation-reduction reactions. The long-term project for this course involves researching a chemical compound and constructing a molecular model to be presented during the spring semester.

724 Chemistry

Grade levels eligible: 10th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This is an introductory chemistry course. Topics covered include such concepts as the writing and balancing chemical equations, chemical reactions, calculations involving chemical quantities, electron energy levels, bonding and periodicity. Properties of matter, thermochemistry, acid-base reactions, and chemical equilibria are also explored. Frequent laboratory experiments reinforce what is learned in lecture and small-group work. The major project involves researching a chemical compound and constructing a molecular model to be presented during the spring semester. The primary goal of the course is to empower students to become creative thinkers and problem solvers through the understanding and application of chemistry concepts.

727 AP Chemistry

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register in other fields where general chemistry is the prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. Students in this course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the student's abilities to think clearly and to express his ideas, orally and in writing, with clarity and logic. This college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook (college level), the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. Semester 1 math grades and teacher recommendation are considered for placement.

734 AP Physics 1: Algebra-Based

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course provides a systematic development of the principles of physics by emphasizing problem solving and helping students develop a deep understanding of physics through conceptual and quantitative aspects utilizing interactive lectures, demonstrations, videos, and laboratory experiences. Topics covered include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. To be in AP Physics 1 you must qualify for and enroll in Honors Algebra 2, Precalculus or Honors Precalculus for your junior year. If you will be in on-level (regular) Algebra 2 you must enroll in on-level (regular) physics.

736 Physics

Grade levels eligible: 11th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Utilizing open formatted labs and project based learning, this introductory Physics course emphasizes independent thought and investigation of issues with real-world applications. Students will make judgments and interpret information while forming their own unique solutions. The course integrates concepts from the following topics: one and two dimensional motion, Newton's Laws, forces, energy, waves, optics, electricity, and magnetism. Both conceptual and quantitative aspects of the material will be covered. Students will be required to demonstrate their understanding of the concepts through several projects.

737 AP Physics C Mechanics

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course corresponds to the first year college course taken by students majoring in engineering or physics, with a separate laboratory and lecture component. Students who plan on studying engineering or physics in university are strongly recommended to take this course. Concurrent enrollment in Calculus is required.

738 AP Physics 2: Algebra Based

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course provides a systematic development of the principles of physics by emphasizing problem solving and helping students develop a deep understanding of physics through conceptual and quantitative aspects utilizing interactive lectures, demonstrations, videos, and laboratory experiences. Topics covered include fluid mechanics, thermodynamics; electricity and magnetism; optics; atomic and

nuclear physics.

739 AP Physics C: Electricity & Magnetism

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: This course corresponds to the first year college course taken by students majoring in engineering or physics, with a separate laboratory and lecture component. Students who plan on studying engineering or physics in university are strongly recommended to take this course. Concurrent enrollment in Calculus is required.

742 Astronomy

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: This course is an introductory survey to concepts in astronomy. The course covers celestial mechanics (how and why the planets move the way they do in our solar system); information transfer (how visual and non-visual telescopes collect information); life cycles of stars, and some basic cosmology. Students must have completed a physics course at Jesuit in order to request this course. The course meets in the summer and includes three night labs

745 Anatomy & Physiology

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This class will introduce students to the anatomical structures and the physiological processes that make human life possible. Topics include: levels of organization in the human body, all of the human body systems (skeletal, muscular, and reproductive), metabolism and energy transfer, development and inheritance and medical terminology. Several human systems will be studied in fetal pigs. This class is designed for students who are interested in health sciences such as medicine, nursing, nutrition, physical /occupational therapy, sports medicine, athletic training, exercise physiology, and general fitness. This class is taught at the same level as an entry level college course, therefore expectations are that students will ascribe to mature behavior. Grades are derived from tests, essays, and readings.

748 Forensic Science

Grade levels eligible: 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Forensic Science is a full-year course based on college level introductory criminalistics. This course is designed to introduce crime scene investigative techniques, evidence analysis, data collection and advanced scientific methods for the application of science to law. Forensic Science will focus on crime-scene techniques and applications including data collection and collation, processing of trace

evidence, and how to present findings. This course will also focus on specialized lab-based techniques and scientific applications including chemical detection, how to process biological and chemical evidence and how to generate a scientific report. Topics include: Crime Scene Investigation, Types of Evidence, Autopsy/Anthropology, Decomposition/Entomology, Fingerprint Analysis, DNA Analysis, and Bloodstain Pattern Analysis.

752 Marine Biology

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: The Marine Biology program serves as a starting point for students who may be interested in pursuing a future career related to coral reef and marine life conservation, environmental and marine science, or fish and marine invertebrate identification. Students will learn how to identify a diverse range of Caribbean species, how changes in the environment affect marine ecosystems, how marine organisms adapt to those changes, how human activity affects marine ecosystems and biodiversity, how to analyze and propose solutions to mitigate adverse effects caused by humans on marine ecosystems, how to identify how the availability of natural resources and climate change have affected human activity, and how to create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity. (Summer Only)

751 Marine Biology 2

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: The Marine Biology program provides students with a broad base of knowledge relating to marine studies. Students will learn how to identify a diverse range of Caribbean species, how changes in the environment affect marine ecosystems, how marine organisms adapt to those changes, how human activity affects marine ecosystems and biodiversity, how to analyze and propose solutions to mitigate adverse effects caused by humans on marine ecosystems. Students will be provided with experiences that incorporate science, culture and community service. The Marine Biology program serves as a starting point for students who may be interested in pursuing a future career related to coral reef and marine life conservation, environmental and marine science, or fish and marine invertebrate identification. Pre-requisite: Marine Biology 1 (Summer Only)

757 Microbiology

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: This course is a hands on laboratory-based class that covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. The course is taught through a case study of a patient who is about to face surgery and the microbiological tests he undergoes to prepare. (.5 credit) Pre-requisites: Junior or

senior status Other Notes: Summer Only

762 AP Environmental Science

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: The Advanced Placement Environmental Science course is designed to aid students in exploring the interrelationships of the natural world. The course requires students to identify and analyze natural and anthropogenic (human-made) environmental problems as well as solutions for evaluating those problems. Environmental science is interdisciplinary; including topics from geology, biology, environmental studies, environmental science, chemistry and geography. Advanced Placement Environmental Science will fulfill students interests in that student have demonstrated interests in various topics presented. For example, student who have participated in the marine biology trip may find additional interest in the aquatic ecology unit. Additionally, there are several bridges to the engineering curriculum in the third rock from the sun, biodiversity, nonrenewable and renewable energy units.

766 Engineering Design Process

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: This 1 year version of the Design Process course is created for Seniors to explore the engineering design process through design challenges. This involves the exposure to multiple fields within engineering. Students will experience the design cycle including problem analysis, research, rapid prototyping, Computer Aided Design, light manufacturing, testing, and revision. Students will apply skills they learned in the fall semester to projects in the spring.

Computer Science Department

812 Intro to Computer Programming - Robotics

Grade levels eligible: 8th Grade, 9th Grade

Length (semesters): 2 Summer/Fall

Credits: 1

Course Type: College Preparatory

Description: This course will develop programming skills with JAVA, in addition to an introduction to CAD, mechanical design, prototyping, light fabrication, and an understanding of robotic systems. This course satisfies the same requirement as Introduction to Computer Programming.

813 Intro to Computer Programming

Grade levels eligible: 8th Grade, 9th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Intro to Computer Programming assumes no prior computer programming experience. Students will learn algorithm development and an Object Oriented approach to problem solving. The programming language will be Java.

844 Honors Java

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Honors

Description: Honors Java is the first half of the College Board curriculum for AP Computer Science A. This course emphasizes problem solving, algorithm development, data structures, Java programming, and Object Oriented Design. Students who wish to take AP Computer Science must complete this class first.

845 AP Computer Science A

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1 (Spring Only)

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: This semester course prepares the student to take the AP Computer Science A exam by building on skills acquired in Introduction to Programming and Honors Advanced Java. The syllabus emphasizes problem solving, algorithm development, data structures, Java programming, and Object Oriented Programming. Students interested in the course are encouraged to consult the instructor. Detailed information about the AP Computer Science test is available at: www.collegeboard.com/student/testing/ap/about.html.

872 Game Development

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This is an introductory course in Game Development. Students will be exposed to basic programming concepts in the Godot environment. The course culminates with student planning, coding, testing and playing a video game.

873 Web Development

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This course affords students an opportunity to use skills acquired in Introduction to Programming to create an interactive web application. HTML, CSS and JavaScript are combined with principles of object oriented programming in order to solve real world problems. The course culminates with a project where students design and develop a functioning web application.

Fine Art Department

901 Watercolor

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): Summer only

Credits: .5

Course Type: College Preparatory

Description: Watercolor is an introductory class where students practice drawing and painting skills. They explore the use of elements and principles of design to create in watercolor. The focus of the class will be on color, line, form, and space through exploration of the properties of watercolor in a variety of compositions. This class is open to all grade levels.

904 Journalism: Yearbook

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2 semesters during Alpha period

Credits: .5 for a full year class

Course Type: College Preparatory

Description: This course is created for students who wish to explore their creativity in photography, design, digital design, or writing through the lens of the yearbook. All key concepts in photography will be taught on Nikon or Cannon cameras. All key concepts for the digital work will be taught in Adobe: In Design, Photoshop, and Bridge. Due to the nature of the course, students will receive an introduction to design work, both hand-rendered and digital; critical comparison of other published works; creation of digital pages; creative writing, and proofreading. This course is intended to springboard any student who wishes to gain skills in areas taught, including professional photography, book building, and digital art.

905 Broadcast Journalism

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: In this class, students spend time learning about the following aspects of sports journalism: video editing, broadcasting from the both, sport statistics, action photography, and sports writing. Students will be expected to attend various sporting events based on a schedule agreed upon between the student and the instructor, Mr. Bryan Montgomery. This is a graded class that fulfills 1 credit of Fine Art and is a full-year obligation. It is a great opportunity for those looking at hands-on experience and creating a portfolio for future aspirations.

906 Photography

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Photography is a one-semester course for students interested in developing their art

through the medium of digital photography. Students will learn the fundamentals of using DSLR cameras while exploring the concepts of the visual elements. In addition to learning about apertures, shutter speeds, ISOs, color correction, airbrushing, and other photography concepts, students will discover how the underlying concepts of traditional art media (like drawing) can be applied in order to create photographs of a higher quality. This class is open to all grade levels

913 Theater Acting & Improv

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This class is an introduction to the world of acting for the theater. Students will receive a wide survey of acting lessons, activities, and assessments to introduce them to the art of acting and writing for the stage. Students will work on physicality and vocal work, play improvisational games, work on performing a monologue, work as a team to build a scene, draw basic stage design, and learn the basics of playwriting. The class aims to give the student a broad introduction to what is a very diverse art form. In each new unit, we will also examine historical antecedents and give a basic review of relevant theory.

914 Theater Directing

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Students will learn the necessary skills to direct their own one act plays. We will start by covering the basics of playwriting, and the theory of performance and direction, before moving into a workshop setting in which students apply their skills in preparation for the Winter One Acts in January. The class then allows students to demonstrate their learning in a real-world environment, with a real cast, a real show, and a real audience. Prerequisite: instructor approval.

915 Technical Theater

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Students will learn the theory behind set design for the theater and how it relates to the script. They will also acquire skills needed to construct scenery, control lighting instruments, and implement a visual & audio effects. Additionally, students will draft their own designs for a theatrical production.

918 Filmmaking

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Take this class and learn the basics of telling stories through digital video, which includes cinematography, directing, sound design, lighting, and editing. The course will explore the tools of filmmaking in depth and culminate in a short film that will debut for audiences in the spring. Students

will work with partners on the film and should be prepared to spend time outside of class to shoot, edit, and polish productions.

922 Ceramics 1

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This course focuses on pottery-making by introducing students to several ceramic methods. Students will learn basic techniques from conception to refinement of clay pieces to achieve a final product.

924 Ceramics 2

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Building off of Ceramics 1, this course increases student autonomy and with the instructors guidance allows artists to further develop advanced techniques. Prerequisite: Ceramics 1.

929 Advanced Ceramics

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Honors

Description: The highest level of Ceramics offered at Jesuit, this course increases student autonomy and allows artists to further develop advanced techniques of their choice. Prerequisite: instructor approval.

932 Design Survey

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): Summer Only

Credits: 0.5

Course Type: College Preparatory

Description: Students in this summer-only course will discover the visual elements and principles of design through in-class exercises and field trips to local professional design industries. The course culminates in comprehensive projects in which students will utilize their creative thinking to work on design projects for a variety of “clients” in industries including advertising, architecture, branding, and more.

934 Introduction to Architecture

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Introduction to Architecture is a one-year course that introduces students to the key ideas, practices and principles of Architectural Design. Students will be given the opportunity to explore the contemporary process of architectural design by participating in multiple design exercises including free hand drawing, model making, and CAD software. The goals of this course are: To introduce and explore the discipline of architecture; To promote visual thinking and representational skills; To develop analytic design thinking skills; To learn some of the conventions of architectural representation; To enhance cultural awareness of architecture and design. (1.0 credit)

936 Studio Art

Grade levels eligible: 8th Grade, 9th Grade, 10th Grade, 11th Grade, 12th

Grade **Length (semesters):** 1

Credits: 0.5

Course Type: College Preparatory

Description: Studio Art is a one-semester course that helps students explore rendering techniques through traditional art media including (but not limited to) graphite, charcoal, chalk, pastel, and painting. The class utilizes an individual's innate curiosity, personal preferences, and creative exploration to create a body of work that is unique and personal. Instructors will offer tutorials, provide guidance and challenge students' limitations.

942 Graphic Design

Grade levels eligible: 8th Grade, 9th Grade, 10th Grade, 11th Grade, 12th

Grade **Length (semesters):** 1

Credits: 0.5

Course Type: College Preparatory

Description: Graphic Design is a one-semester course for students interested in creating work using the Adobe Photoshop, Illustrator, and others. Students will be guided in the development of their creative thinking as they work on design projects to meet various real-world needs.

946 Advanced Art & Design

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: Honors

Description: Building off of Studio Art, Graphic Design and/or Photography, this course increases student autonomy and with the instructor's guidance, allowing artists to further develop advanced techniques in the pursuit of the development of a portfolio of work. Prerequisite: Studio Art, Graphic Design and/or Photography AND instructor approval.

947 AP Studio Art: Drawing

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: Advanced Placement (AP)

Description: AP Drawing is a full-year course for self-motivated artists. The course is designed to assist in the development of a comprehensive portfolio of work for art-focused students. Students will work with a variety of media to develop projects to be submitted for review by the College Board in May. The

portfolio will have an emphasis on two areas: “Selected Works” and “Sustained Investigation”. The first semester of the course will focus on practicing skills, exploring concepts, and developing an idea for a personal “concentration” which students will pursue throughout the second semester. Prerequisite: instructor approval.

949 AP Studio Art: 2-D Design

Grade levels eligible: 11th Grade, 12th Grade

Length (semesters): 2

Credits: 0.5

Course Type: Advanced Placement (AP)

Description: AP Design is a full-year course for self-motivated artists. The course is designed to assist in the development of a comprehensive portfolio of work for art-focused students. Students will work with a variety of media to develop projects to be submitted for review by the College Board in May. The portfolio will have an emphasis on two areas: “Selected Works” and “Sustained Investigation”. The first semester of the course will focus on practicing skills, exploring concepts, and developing an idea for a personal “concentration” which students will pursue throughout the second semester. Prerequisite: instructor approval.

951 Music Appreciation

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This is a basic survey of music including listening skills and history. Styles of music to be covered include Baroque, Classical, Romantic and Post-Romantic.

952 Music Theory

Grade levels eligible: 8th Grade, 9th Grade, 10th Grade, 11th Grade, 12th

Grade Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: An in-depth study of music theory, ear training, counterpoint, keyboard harmony, and analysis of both classical and contemporary musical forms.

953 Adv Musicianship

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: An in-depth study of music theory, ear training, counterpoint, keyboard harmony, and analysis of both classical and contemporary musical forms.

955 Intro to Jazz History & Improvisation

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Students explore the basic techniques used in improvising and performing jazz music. Chord structure, scales, and melodic construction are covered. Students will focus on learning to read music, jazz history, music theory, and ultimately playing improvised music.

956 Jazz History & Improvisation 2

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: Students will continue to explore intermediate to advanced techniques used in improvising and performing jazz music. Further examination of jazz history including famous musical performances and theory will also be covered.

957 Orchestra

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2 (Meets during Alpha Period at Ursuline)

Credits: .5 for a full year class

Course Type: College Preparatory

Description: Class is the traditional string orchestra (violin, viola, cello, bass and piano). This 2 semester class meets twice a week at Ursuline Academy (a bus is provided to bring students back to Jesuit campus after rehearsal).

961 Men's Chorus

Grade levels eligible: 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2

Credits: 1

Course Type: College Preparatory

Description: Students will learn to sing and harmonize music from traditional genres as well as pop, rock and jazz. Students will have opportunities to develop their musical potential through learning techniques such as reading music, harmonizing, and group and solo performance skills.

970 Band

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 2 (Meets during Alpha Period)

Credits: 1

Course Type: College Preparatory

Description: Class composed of wind and percussion musicians. The organization performs as a marching band August through mid-November. It is a Concert band for the rest of the year, which includes percussion ensemble, jazz band, and chamber music. Students without an instrument will be provided with a school-owned instrument.

983 Art of Film

Grade levels eligible: 9th Grade, 10th Grade, 11th Grade, 12th Grade

Length (semesters): 1

Credits: 0.5

Course Type: College Preparatory

Description: This course covers film history and rhetoric. A someone who enjoys movies as an entertainment vector and art form, being able to digest film and see the nuances in shot construction, narrative structure and dialogue is a great way to more thoroughly enjoy either a large-scale blockbuster release or an independent film created on a much shorter scale.