

2022 Summer School 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.

Note: All courses meet on-campus unless explicitly mentioned as a travel program.

Theology Department

147 Christian Relationships

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". (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: Spring and Summer Only; Morning and Afternoon Sessions available

167 Interreligious Dialogue

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. (.5 credit)

Department: Theology

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: Spring and Summer Only; Morning and Afternoon Sessions available

Social Studies Department

501 Geography and Foundations

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. (1 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2026 only

Other Notes: Required for graduation for Class of 2026; Morning and Afternoon Sessions available

538 Government

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. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: All students must take this course or 537 AP Government in order to graduate; Morning and Afternoon Sessions available; meets on campus

539 Government Close Up Trip to Washington DC

Description: The Close Up Government Course is offered to rising seniors during summer school. This three week accelerated course introduces students to the structure and function of the American government system along with the nature of American politics. Students will also travel to Washington, D.C. during the third week of summer school as members of the Close Up flagship High School Program. Using the nation's capital as a living classroom, students will get a "close up" view of American history, government, and democracy in action. During our time in Washington, students will have the opportunity to visit many of DC's key institutions and historic sites—highlights include Arlington National Cemetery, National Archives, Smithsonian Museums. Students will also participate in a Mock Congress, an in-depth simulation of the legislative process, in preparation for a day on Capitol Hill where they will have the opportunity to meet with legislators. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: Summer Only; Additional travel and lodging fees; Contact Katie Segal (ksegal@jesuitcp.org) for more information; Signup directly with Mrs. Segal – not during summer school registration; (Requires travel the week of June 19th)

548 Economics

Description: This one semester senior level course examines both macroeconomic and microeconomic principles by incorporating lecture, discussion, and evaluated activities. Students demonstrate mastery of essential economic concepts such as the operation of markets, national productivity and growth, fiscal policy and monetary policy. Special consideration is given to socio-economic issues and social justice issues. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: All students must take this course or 547 AP Economics in order to graduate; Morning and Afternoon Sessions available

519 Rhetoric and Civics

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. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2026 only

Other Notes: Required for graduation for classes of 2023, 2024, and 2025; Times TBD

571 Psychology

Description: This one semester elective course will teach students to apply approaches such as the cognitive, behavioral, biological, psychoanalytic, and humanistic theories to examine people and their responses to the world. Students will also examine topics such as motivation, emotion, theories of learning, definitions of abnormality, psychological disorders, and approaches to treatment. Additional areas to be covered include social psychology, group dynamics, conformity, theories of personality, and career opportunities in the field of psychology. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Class of 2023 only

Other Notes: Morning Session Only

592 History of Rome

Description: History of Rome 3 week Summer School course designed to offer an introductory exploration of Roman civilization's rise and fall from pre-Roman hamlet to massive, decadent empire under Emperor Constantine. Across this roughly 1000-year history, the course will survey Rome's cataclysmic evolution as it develops both a culture and a legacy that resonates powerfully with the present day. The course will use a variety of primary and secondary sources to introduce content and help students develop analytical skills. It will also include a traveling component to Italy that will occur at the end of the Summer term. Students may then witness the "eternal city" in person (assuming travel restrictions do not apply) to further experience and develop their understanding of the History of Rome. (.5 credit)

Department: Social Studies

Level: College Preparatory

Pre-requisites: Junior or senior status

Other Notes: Summer Only; Additional travel and lodging fees; Contact Lisa Drubert (ldruebert@jesuitcp.org) for more information; Signup directly with Ms. Druebert – not during summer school registration.

Mathematics Department

669 Pre-calculus (Bridge Class to Calculus)

Description: The main objective of this course is to continue the Honors Algebra 2 curriculum and build a solid mathematical foundation in preparation for the student's entry into college level calculus courses (AB and BC Calculus). The course emphasizes the study of algebraic, exponential, logarithmic and trigonometric functions and their applications; complex numbers are also studied. The emphasis will be on function analysis, mathematical reasoning and problem solving using appropriate current technology. (1 credit)

Department: Mathematics

Level: College Preparatory

Pre-requisites: Instructor recommendation/approval

Other Notes: This is intended for students who have demonstrated success (>85%) in Honors Algebra 2. Students should talk with their current instructor for recommendation/guidance. Student placement for 2022-2023 is dependent on mastery of precalculus skills during this class. Morning Session only.

Science Department

742 Astronomy

Description: This course is an introductory survey to concepts in astronomy. The course covers celestial mechanics (how & 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. The course meets in the summer and includes three night labs. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Completion of Physics, AP Physics, or Honors Physics

Other Notes: Summer Only; Afternoon Session Only

752 Marine Biology

Description: Students will engage in discussions about research techniques and validity, human impacts on coral reefs and Caribbean marine ecosystems, fish identification and anatomy, and the application of science. This course is hands-on and will include research projects, video diaries, blog submissions, and group activities. It will incorporate content and understandings from previous science experiences. This summer-only course will take place on the Jesuit Dallas campus and the Grand Cayman Island. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Junior or senior status

Other Notes: Summer Only; Additional travel and lodging fees; Contact Madison Mathews (mmathews@jesuitcp.org) for more information; Signup directly with Ms. Mathews – not during summer school registration. Afternoon session only; course does not meet week of June 6th.

757 Microbiology (Summer Only)

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)

Department: Science

Level: College Preparatory

Pre-requisites: Completion of Chemistry or Honors Chemistry

Other Notes: Summer Only; Morning Session only.

764 Engineering: Introduction Design Process

Description: This 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. (.5 credit)

Department: Science

Level: College Preparatory

Pre-requisites: Class of 2024 or 2023

Other Notes: Summer Only; Morning Session only.

Computer Science Department

812 Intro to Computer Programming-Robotics

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. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: Class of 2026 only

Other Notes: Afternoon Session only.

872 Game Development

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. (.5 credit)

Department: Computer Science

Level: College Preparatory

Pre-requisites: >85% in 812/813 Intro to Computer Programming; willingness to work at a fast pace

Other Notes: Morning, Afternoon, and Evening (3:45pm-7:00pm) sessions available.

Fine Arts Department

922 Ceramics Throwing

Description: This course focuses on pottery making by mainly use of the potter's wheel. Potters, sculptors, hand builders and all handmade ceramic artisans learn these basic techniques to work with clay. It includes pinch, coil, slab, extrusions, sculptural as well as wheel throwing and trimming methods to working with clay. Basic surface

decoration, glazing and firing techniques and kiln operation are covered. Focus is to experience different techniques and to become competent and knowledgeable of different ways to work with clay; competence comes with practice. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Morning and Afternoon sessions available. This is a very limited course due to the number of potter wheels and requirements of firing completed projects.

931 Art Survey

Description: Students in this summer-only course will discover the visual elements of art through in-class exercises and field trips to local professional arts establishments. The course culminates in a comprehensive project in which students imitate the artistic exercises of advertising, architecture, theater, or gallery management. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Summer Only; Morning and Afternoon sessions available.

951 Music Appreciation

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. (.5 credit)

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Morning and Afternoon sessions available.

983 Art of Film

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.

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Summer Only; Morning Session only.

9XX Theater Writing, Acting, and Directing

Description A combination of Theater Acting and Theater Writing, this class will provide students with the opportunity to write their own one-act plays, cast their peers in specific roles, and see their work come alive on the stage. In this course you will have the freedom to use your imagination and observational skills while also learning acting techniques, genres and styles, history of the theater, and relevant theory. Students will finish the class not only with a new working knowledge of the theater, but also an opportunity to demonstrate the result of their learning in a final one-act project that is a culmination of their creative writing skills, their acting prowess, and their ability to direct their peers.

Department: Fine Arts

Level: College Preparatory

Pre-requisites: N/A

Other Notes: Morning Session only.