

Classical & Modern Languages

French 1

An introduction to the French language and culture, stressing proficiency in the five goals of foreign language learning (communication, cultures, connections, comparisons and communities). Students learn basic grammar concepts and begin to build a large bank of functional, high-frequency vocabulary. Proficiency in the five Cs is achieved through a variety of activities, based on the four standards of language learning: listening, reading, writing, and speaking. Students are introduced to the basic geography, culture, and history of Francophone countries. This is a beginning course for those who have not previously studied French or who have a minimal background and have been placed in this level. (1 credit)

Honors French 2

A continuation of the study of the French language, stressing basic proficiency in the five language goals (communication, cultures, connections, comparisons and communities). Students expand their knowledge of the basic grammar concepts and increase their bank of functional, high-frequency vocabulary. Proficiency in the five Cs is achieved through a variety of activities, based on the four standards of language learning: listening, reading, writing, and speaking. Students are further introduced to the culture, literature, and history of Francophone countries. (1 credit)

Honors French 3

This course provides a solid foundation for the AP French IV Language & Culture course. Intermediate grammar concepts are reviewed, complex grammar structures are introduced, and students strengthen their knowledge of thematic vocabulary and related idiomatic expressions. Students develop more advanced proficiency in all five goals of foreign language learning (communication, cultures, communities, comparisons and connections), through listening, speaking, reading, and writing, with a continued appreciation of the treasures of Francophone civilizations. This course is intended for students performing at an advanced level (grade of "B" or better) entering from the Honors French II course. (1 credit)

French 3

This course provides a review of previously-learned grammar concepts and an introduction to more complex grammar structures, such as the plus-que-parfait and the subjunctif. While students continue to develop proficiency in the five goals of language learning (communication, cultures, communities, comparisons and connections), emphasis is placed on the strengthening of all four standards: reading, writing, listening, and speaking. Students will continue to learn to appreciate cultural aspects of various Francophone countries. (1 credit)

French Civilization & Culture

An introduction to the history, art, literature and culture of France from prehistoric times through the 20th century; its purpose is to provide a knowledge of modern French culture and an appreciation for France's contribution to Western Civilization. Contemporary civilization units based on the social, political, economic and religious perspectives of France are incorporated into the chronological analysis of French civilization. At the same time, French grammar is strengthened through extensive practice of the four communicative skills: reading, writing, listening, and speaking. Activities include research, projects, presentations, historical and contemporary web-based video clips, and educational films. Prerequisite: French III or Honors French III. (1 credit)

AP French Language

The fourth year French Language course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. The course emphasizes the use of the French language to improve oral and written comprehension in a variety of contexts and engages the students to explore the different cultures of Francophone countries. Students will learn to use the three modes of Communication: Interpersonal, Interpretive and Presentational as defined in the Standards for Foreign Language Learning in the 21st Century. They will be required to read articles and excerpts from French magazines, newspapers and literary texts and to listen to original audio sources. The six themes, based on the CollegeBoard's Curriculum Framework, will be the focus of the teaching and learning throughout the entire year: global challenges, science and technology, contemporary life, beauty and aesthetics, families and communities, and personal and public identities. (1 credit)

Ancient Greek 1

Ancient Greek is a beginning language course which teaches the language mainly through reading in the target language. Students will read Greek for comprehension, translate from Greek into English and vice-versa, memorize and use vocabulary, study the origin of English words derived from Greek, and learn about ancient Greek culture and history. To be eligible for the course, students must first have completed their two-year world language requirement in Latin, French, Spanish or Mandarin. (1 credit)

Latin 1

Latin 1 is a beginning course which teaches Classical Latin through reading. Students engage in the following activities: reading Latin aloud and silently, translating Latin sentences into English and vice-versa, memorizing and using vocabulary, developing listening skills, studying the origin of English words derived from Latin, and learning about Roman daily life and the history of the Roman Empire. (1 credit)

Honors Latin 2

Honors Latin 2 follows Latin 1 as a thorough study of the Latin language. By the end of the year, the student will have been introduced to most major syntactical forms, will have further explored the culture of the ancient Romans, and will begin to read different genres of Latin literature, such as history and comedy. (1 credit)

Honors Latin 3

This course reviews and completes the grammar and skills learned in Latin 1 and Latin 2 and explores different genres of Roman Literature. The historical context of these writings will be of significant importance. Students will improve their proficiency in sight-reading without the aid of reference materials. This course is intended for students performing with a grade of "C" or better entering from Latin 2 with departmental recommendation. The course will provide solid preparation for AP Latin 4 for those students who make that their goal for the following year. (1 credit)

AP Latin

This course is designed to prepare the student to translate and understand major sections on Vergil's Aeneid and Caesar's De Bello Gallico. By supplementing the translation and reading with additional readings in the epic and prose genres, as well as historical background of the authors, the student will gain understanding of both the time period and importance of the works in their historical contexts. In this course, students will use their knowledge of Latin grammar and vocabulary in order to read Roman literature not only with comprehension but also with an appreciation for their literary value. The spring AP exam is strongly encouraged. (1 credit)

Mandarin 1

This course will not only offer language lessons in Mandarin Chinese--a powerful economic language of the future--but also a cultural education. The native language instructor, with extensive experience in teaching Mandarin Chinese, will prepare students for more in-depth study of this or other world languages and contribute to the student's greater knowledge of his or her own language, understanding of cross-cultural communication, and interest in issues here and abroad. (1 credit)

Mandarin 2

This course is a continuation of Mandarin 1. It is open to students who have completed Mandarin 1 or an equivalent level. Mandarin 2 students will increase their skills to write essays, read short articles, engage in more complex conversations and be able to understand detailed presentations. The native language instructor, with extensive experience in teaching Mandarin Chinese, will prepare students for continued in-depth study of this world language culture. Open to sophomores, juniors and seniors who are in compliance with Classical & Modern Language requirements for graduation, or freshman who have taken the placement test. (1 credit)

Mandarin 3

This course is a continuation of Mandarin 2. It is open to students who have completed Mandarin 2 or an equivalent level. Mandarin 3 students will increase their skills to write essays, read articles, engage in more complex conversations, and understand detailed presentations. Open to juniors and seniors who are in compliance with Classical & Modern Language requirements for graduation, or to freshmen who have taken the placement test. (1 credit)

AP Chinese Language & Culture

The AP Chinese program at RJHS offers high school students an opportunity to learn college-level Chinese language and culture. In this year-long course, students will intensively practice Chinese in three modes: interpersonal, interpretive, and presentational. In addition, they will develop Chinese language skills in the five goal areas: communication, cultures, connections, comparisons, and communities. Students will strive to speak Chinese with a higher level of fluency. They will read articles and write essays in Chinese, while becoming familiar with the Chinese culture. This course will prepare students to take the CollegeBoard AP Chinese Language & Culture exam in May. (1 credit)

Mandarin 4

This course provides a fourth-level Mandarin Chinese class on a non-AP track, which is designed to further develop proficiency skills (interpretive, interpersonal, presentational) through a theme-based learning content. Students review basic and complex grammar concepts in speaking, reading, and writing. This course also focuses on improving reading comprehension and writing skills. New reading and writing techniques are taught through a variety of learning materials and practices (e.g., classic and modern literature, four main types of writing: narrative, expository, persuasive, and descriptive). (1 credit)

Spanish 1

An introduction to Spanish language and culture, stressing the four communicative skills of listening, reading, writing and speaking. Students learn basic grammar concepts and begin to acquire a large bank of high-frequency vocabulary. Students immediately start speaking Spanish using simple phrases and sentences. The communicative skills are practiced through a variety of activities: skits, presentations, music, conversation, and audio exercises. Spanish culture is discovered through texts, videos and projects. This is a beginning course for those who have not studied Spanish previously or who have a very minimal background and have been placed at this level. (1 credit)

Honors Spanish 2

An intensive continuation of the study of Spanish language and culture, stressing further acquisition of the four communicative skills: listening, speaking, reading and writing. Students expand their

knowledge of basic grammar concepts and increase their high-frequency vocabulary bank. The communicative skills are practiced through a variety of activities: skits, presentations, music, conversation, and audio exercises. Spanish and Latin American culture is discovered through texts, stories, videos, films and projects. This course is intended for students performing at an advanced level entering from Spanish I. (1 credit)

Spanish 2

A continuation of the study of Spanish language and culture, stressing further acquisition of the four communicative skills: listening, speaking, reading and writing. Students expand their knowledge of basic grammar concepts and increase their high-frequency vocabulary bank. The communicative skills are practiced through a variety of activities: skits, presentations, music, conversation, and audio exercises. Spanish and Latin American culture is discovered through texts, stories, videos, films and projects. (1 credit)

Honors Spanish 3

This course provides a solid foundation for the AP Spanish Language course. Basic grammar concepts are reviewed, complex grammar structures are introduced, and students are required to master an extensive amount of thematic vocabulary. Writing skills are enhanced through the crafting of frequent essays and compositions. Reading skills are strengthened through the study of cultural and literary texts. Oral and listening skills are reinforced through a variety of activities: skits, presentations, music, conversation, mass media, and audio activities. Spanish and Latin American culture is discovered through texts, videos and projects. The fast-paced, rigorous nature of the course requires daily practice and review. This course is intended for students performing at an advanced level. Prerequisite: Honors Spanish 2. (1 credit)

Spanish 3

This course provides a review of previously learned grammar concepts and an introduction to more complex grammar structures. Emphasis is placed on the mastery of compound grammar tenses and the subjunctive mood. While students continue to develop proficiency in the communicative skills of listening and speaking, the particular focus of the course is on the strengthening of reading skills through the study of cultural and literary texts, and of writing skills through the frequent crafting of essays and compositions. (1 credit)

Spanish Civilization & Culture

This course provides an introduction to the civilization, history, literature and art of Spanish-speaking cultures. The course will include discussion, conversation, and listening in the language. Advanced grammar will be reinforced in coordination with the topics and reading material for the course. This Spanish 4 course is designed for students on the traditional track wishing to review and reinforce previously learned skills. It is the

terminal course for the traditional track. Prerequisite: Spanish 3. (1 credit)

Advanced Reading/Conversational Spanish

This course is intended to lead students to a synthesis of the concepts and skills presented in previous years and to enable students to develop their conversational skills through creative interactions in class. We will continue to learn components of the language such as vocabulary words and grammatical structures, and then we will apply this knowledge in reading, writing, listening, and speaking. We will also read and discuss various literary selections from the Spanish-speaking world. The teacher will conduct the course entirely in Spanish, as much as possible, and students are expected and encouraged to speak the target language in class. Prerequisite: Honors Spanish 3. (1 credit)

AP Spanish Language & Culture

This course, taught in Spanish, centers on preparing students to take the AP Spanish Language and Culture Exam. Outside of class, students will review grammar. In class, students will discuss literature, write persuasive compositions, give oral presentations, be exposed to samples of a variety of media in the target language, record dialogues, and practice listening and reading skills. It is important that the student taking AP Spanish Language be detail-oriented, willing to work diligently, and to speak entirely in Spanish. Successful students are strongly encouraged to take the AP exam in the spring. This course is intended for students performing at an advanced level entering from Honors Spanish 3. (1 credit)

AP Spanish Literature & Culture

The AP Spanish Literature and Culture course is equivalent to a third-year university survey course, which covers the six AP Spanish Literature themes and the entire reading list (as prescribed by the CollegeBoard) outlined within the AP Spanish Literature and Culture Curriculum Framework. The course is conducted entirely in Spanish and covers Spanish and Latin American authors, and their works, from the medieval period to the present day. The full-year course and its activities are intended to teach and enhance a student's ability to acquire, identify, understand, discuss, interpret and analyze the form and content of literary works of prose, poetry and drama along with the literary terms and conceptual aspects of art and history of the time. All students are highly encouraged to take the Advanced Placement Exam in Spanish Literature and Culture in the month of May. Prerequisite: Students are required to complete AP Spanish Language prior to entering this class. (1 credit)

English

Honors English 1

English 1 is designed to help a student in her first year at Regis Jesuit build a firm foundation in

writing skills and an appreciation of literature. A focus on grammar, usage, writing mechanics, and composition at an advanced level helps her learn to use standard English effectively. She is also introduced to fiction, poetry and drama. Students enrolled in the Honors section of the course will have demonstrated a stronger skill level in these areas, and the pace and work load of the class will reflect a more advanced approach to the topics of study. (1 credit)

English 1

English 1 is designed to help a student in her first year at Regis Jesuit build a firm foundation in writing skills and an appreciation of literature. A focus on grammar, usage, writing mechanics, and composition at an advanced level helps her learn to use standard English effectively. She is also introduced to fiction, poetry and drama. (1 credit)

Honors English 2

This course surveys prominent historical facts, prevailing philosophies and literary trends found in the development of British literature from Beowulf to the present. Selected works of poetry, drama, non-fiction and fiction introduce students to major British writers. This course also presents other outstanding writers from other cultures. Writing assignments include essays of literary analysis. This course also concentrates on composition, with a major portion of the writing assessment based on the construction of a research paper. Despite the challenge of the often archaic material, students will be expected to take ownership of their reading, demonstrating their understanding in online discussion boards, class discussions, and seminars. (1 credit)

English 2

This full-year course surveys prominent historical facts, prevailing philosophies and literary trends found in the development of British literature from Beowulf to the present. Selected works of poetry, drama, non-fiction and fiction introduce students to major British writers. This course also presents other outstanding writers from other cultures. Writing assignments include essays of literary analysis. This course also concentrates on composition, with a major portion of the writing assessment based on the construction of a research paper. (1 credit)

American Literature/AP Language

The rich American tradition of non-fiction and fiction will provide the foundation for this college-level course. The course addresses the same topics as the American Literature and Composition course but also involves extensive reading, discussion, critical analysis, analytical writing, and preparation for the CollegeBoard's Advanced Placement English Language and Composition Examination. Authors to be studied include Thomas Paine, Thomas Jefferson, Ben Franklin, Ralph Waldo Emerson, Henry David Thoreau, Abraham Lincoln, Frederick Douglass, Willa Cather, Edith Wharton, Kate Chopin, John Steinbeck, Tennessee Williams, Truman Capote,

Maya Angelou, Sojourner Truth, Martin Luther King, and many others. (1 credit)

American Literature

This course surveys prominent historical facts, prevailing philosophies and literary trends found in the development of American literature from Colonial America to the present. Selected works of poetry, drama, non-fiction and fiction introduce students to major American writers. Writing assignments include essays of literary analysis. (1 credit)

AP English Literature

This college-level course involves extensive reading, discussion, critical analysis, analytical writing, and preparation for the CollegeBoard's Advanced Placement English Literature and Composition Examination. Students will study a wide variety of authors and works primarily from British and American literature and will help students develop their writing for a variety of purposes. (1 credit)

Women in Literature

In this semester course students will utilize and develop their skills for reading critically, analyzing literature, and writing for a variety of purposes in the context of their study of women in literature. Topics will emphasize how women are represented in and have contributed to the literary tradition using a wide selection of representative texts written by women. Students will examine the relationship of women's writing to their entire experience in literature with reference to various genres, including biography, poetry, fiction and non-fiction. This course is offered only to seniors as one semester of their full-year requirement in English. (0.5 credit)

Reading & Writing Poetry

This semester course will provide students with the opportunity for in-depth analysis and an understanding and appreciation of poetry, while encouraging students to explore their own creativity. Students will study the forms and elements of poetry, learn interpretive and evaluative skills, think and write critically and develop their own poetic voices. This course is offered only to seniors as one semester of their full-year requirement in English. (0.5 credit)

Literature into Film

Through careful reading of selected literary works, writing about these works, and viewing films based on these works, students in this semester course study the relationship between the written and filmed interpretations. Exploring the differences challenges students to understand the moral and social implications of both versions. (0.5 credit)

Reading & Writing Fiction

Like to write but wish you had more opportunities to write about topics of your own choice? In Reading & Writing Fiction you will be able to bring your own ideas for your assignments and explore different

forms of writing. You get to choose the writing topics - not the teacher! The class will be a fun, creative outlet for all you students who love to write outside of class but don't always have the time. What's more, we will practice many different styles of writing, including memoir, personal narrative, opinion, satire, creative fiction, and more. This course will give you confidence, voice and other writing skills that will benefit you in college and beyond. Open to juniors, but will not supplant the senior English requirement. (0.5 credit)

The Graphic Novel

Through reading graphic novel classics, student will come to recognize and understand how these works conform to and expand upon both the mechanics and universal themes of traditional literature. Through essays, seminars, and other modes of expression, students demonstrate their learning of the interaction between pictures and the written word. Although the thematic and narrative content of the literature in this course is not dissimilar from other English classes, the nature of the materials of this course, that of the blending illustrations and texts, makes visual some of that content which necessitates a mature approach to reading. Because graphic novels are not anthologized like other genres of literature, the cost for this course may be higher than normally anticipated for a semester class. The instructor will do all that can be done to ensure the book costs are as minimal as possible. Open to juniors, but will not supplant the senior English requirement. (0.5 credit)

Advanced Journalism

This semester course offers students the opportunity to be part of a real world, student-run newsroom that produces content for the student news magazine, online student site, RJ Radio, and the student-run broadcast network. Students will coordinate efforts to organize, edit, design and produce news, feature, and opinion packages. Students will also become responsible and proficient in their use of social media and their civic duty to identify and analyze fair, balanced and true information. They will learn and practice advanced reporting, writing, editing, photography, design, and multimedia production. Students may specialize in specific areas as managers or editors. Media literacy, law, ethics, and professional and ethical presentation and communication, will be cornerstones of study. Students may take this course more than once for credit with instructor approval. Open to sophomores, juniors, and seniors. (0.5 credit)

Shakespeare

During this semester-long course, students will study several Shakespeare plays. The curriculum will include film studies, analysis of various monologues, on-stage performances, and a history of Renaissance theatre and the Bard. Students will also write critically about the plays we read as they develop their skills in literary analysis, writing mechanics and literary critique. The course will culminate with a group project that includes an in-depth analysis of a play of their choice and a performed adaptation of an entire scene. This course is offered as a co-enrolled course for seniors in both divisions and

fulfills one semester of their full-year requirement in English. Juniors may take this class if approved by counselors and will count toward a general elective credit. (0.5 credit)

Multicultural Literature

This course is for the student who wants to deepen their understanding and empathy for people groups around the world while further developing college-level writing and communication skills. Students will participate in Socratic seminars, reflections, and class discussions while further developing their communication skills through essays and a multimedia project. The goal is to help students strengthen their knowledge of the world in preparation for college and beyond. Possible readings include *A Thousand Splendid Suns* by Khalid Hosseini, *Say You're One of Them* by Uwem Akpan, S.J. (collection of short stories), *The Help* by Kathryn Stockett (summer reading), *Left to Tell* by Immaculee Ilibagiza, *My Escape from North Korea: A Thousand Miles to Freedom* by Eunsun Kim, *A Small Place* by Jamaica Kincaid, and *Enrique's Journey* by Sonia Nazario. Open to juniors, but will not supplant the senior English requirement. (0.5 credit)

African-American Literature

This is a survey course in which we will survey a very large temporal area, from the late-18th century to the present, a scope that will give you a broad sweep of the African-American literary landscape, and in a variety of genres. We will read these texts not only within race-specific contexts, but also, and perhaps more importantly, as American literature. The objectives of this course are to give students an introduction to the vast array of prose, poetry, and drama that make up much of African-American literature; to provide the opportunity to explore the diverse nature of this literature; to help students develop a deeper understanding of the ever-evolving issues involved in defining the American literary canon; and to encourage the reading of literature with a fine critical understanding and aesthetic appreciation. (0.5 credit)

Fine Arts & Media Technology

Fine Art 1

This semester course introduces students to the basic elements and principles of art through hands-on experience. Areas of study include portraiture, figure drawing, contour line drawing, design, composition and art appreciation. Art mediums include pencil, color pencil, pen and ink and watercolor. This course is open to students in any grade level. (0.5 credit)

Sculptural Explorations

This art class will explore crafts from ancient to contemporary times and offers students an opportunity to discover their own creativity while exploring the elements of design: line, shape, form, texture, value, color, and space. Paper, calligraphy, fiber arts and jewelry making are some of the

possible areas covered in this course. This course is open to students in any grade level. (0.5 credit)

Fine Art 2

This semester course continues the topics of study from Fine Art 1, while exploring more in-depth study of artistic styles and techniques. Studio work covers colored pencil, watercolor, acrylic or oil painting and art appreciation. This course is open to sophomores, juniors, and seniors. (0.5 credit)

Oil Painting & Pastels 1

This course deals with various mediums of drawing with pencil, pastel and oil paint. The primary objective of this class is to teach students, even those who have never painted before, to learn by "wholes" – the painting as a whole, an interplay of lines, shapes, colors, color mixing, textures, light and dark. Students will learn to manipulate the painter's materials and develop a basic vocabulary with regard to qualities of paintings. Further, the course will explore the historical influences of drawing and painting and also allow students to analyze and critique professional works. Prerequisite: Fine Art 2. (0.5 credit)

Oil Painting & Pastels 2

This course continues to deal with various mediums of drawing with pencil, pastel and oil paint. The primary objective of this class is for students to further enhance their understanding of "wholes"--the painting as a whole, an interplay of lines, shapes, colors, color mixing, textures, light and dark. Students will continue to manipulate the painter's materials and develop their vocabulary with regard to qualities of paintings. Further, the course will continue to explore the historical influences of drawing and painting and also allow students to analyze and critique professional works. Prerequisite: Oil Painting & Pastels 1. (0.5 credit)

Ceramics 1

This one-semester elective is an introduction to ceramics, including various hand-building techniques and throwing on the wheel. Emphasis is placed on technical skills and design elements and principles. Both functional and non-functional pieces are explored by working with pinch, coil, slab and a combination of these methods. This course is open to sophomores, juniors, and seniors. Prerequisite: Fine Art 1 or Sculptural Explorations. (0.5 credit)

Ceramics 2

In this one-semester elective students will delve into the world of functional ceramics with throwing on the wheel. The primary focus of this class is proficiency on the ceramic wheel. In addition to the wheel, we will develop projects that expand both technically and conceptually on basic techniques learned in Ceramics 1. This course is open to sophomores, juniors, and seniors. (0.5 credit)

Ceramics 3

In this one-semester elective students will play an active role in designing an individualized plan for their coursework for the duration of the class. They will explore an area of interest, both in concept and technique. Students will research areas of interest and write brief proposals for their ceramic projects. One of the goals of the course is for the students to take responsibility for their learning and growth, with each project proposal building on the previous one. Students will also participate in active critique in order to grow the scope of their work. The course is open to juniors and seniors. (0.5 credit)

AP Studio Art - Drawing

This course provides students with the opportunity to create a college-level portfolio for submission to the CollegeBoard for review and college credit. Students will develop a portfolio of work in drawing. Student work will illustrate competence in the three areas required by the CollegeBoard: quality, concentration, and breadth. In the quality section of the portfolio, students will demonstrate mastery of concept, composition, and execution. In the concentration section, students will comprise a body of related pieces that demonstrate growth and discovery in the exploration of a personal visual idea. In the breadth section, the students will demonstrate technical, conceptual, perceptual, and expressive range. The student work in the breadth section will show understanding of formal drawing issues, including mark making, use of light and shadow, line quality and representation/abstraction and composition. (1 credit)

AP Studio Art - Design

This course provides students with the opportunity to create a college-level portfolio for submission to the CollegeBoard for review and college credit. Students will develop a portfolio of work in design. Student work will illustrate competence in the three areas required by the CollegeBoard: quality, concentration, and breadth. In the quality section of the portfolio, students will demonstrate mastery of concept, composition, and execution. In the concentration section, students will comprise a body of related pieces that demonstrate growth and discovery in the exploration of a personal visual idea. In the breadth section, the students will demonstrate technical, conceptual, perceptual, and expressive range. The student work in the breadth section will show understanding of the elements and principles of design including unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, form, shape, space, texture, and figure/ground relationships where applicable. (1 credit)

Technology for Communication

In this semester-long course, students will discover the fundamentals of technology in a practical, lab-based environment. Complex software programs will be introduced with the intention of developing the confidence necessary to master new technology. Students will have opportunities to be very creative while working collaboratively on real-world communication campaigns. Basic programming is

studied through Microsoft Excel and writing HTML from scratch. Creative and design programs introduced include software from the Adobe Creative Suite, Audacity, and PTC Creo. No technology background or prerequisite course is required. (0.5 credit)

Computer Programming 1

This semester course is an introduction to computer programming using the Java programming language. The course introduces computer-program design using the concepts of structured programming and logic, including pseudocode, flowcharts, and algorithms. Variables, data types, control structures, looping, methods, graphics, classes and libraries will be explored. Students conclude the class by designing video games using Stanford University's ACM Java libraries. Note: This course is often combined with Computer Programming II. Advanced students may work ahead with instructor permission. (0.5 credit)

Computer Programming 2

This semester course is an extension of Computer Programming 1. Students study Object Oriented Programming techniques in the context of the Java programming language. The semester concludes with large-scale projects designed by the students. This course is often combined with Computer Programming 1 and is delivered in a hybrid online course format. Prerequisite: Computer Programming 1 or instructor approval. (0.5 credit)

Animation

This semester course is designed to familiarize students with the creation of animations and cartoons by providing an overview of Disney's Twelve Basic Principles of Animation techniques. The class also introduces students to the fundamentals of creating 2D computer animations using Adobe Animate, including tweening and frame-by-frame drawn animations. The course concludes with the creation of final projects in which students develop and create an animated short. This course is open to grades 9-12. (0.5 credit)

Video Production 1

Students will produce effective communication through the study and practice of scripting, camera operation, audio production, lighting, and editing using Final Cut Pro. Open to juniors and seniors. Sophomores must get prior approval from the Fine Arts & Media Technologies Department Chair. (0.5 credit)

Video Production 2

This semester course will allow students to expand their knowledge of Final Cut Pro, Sound Track, Live Type, and Motion. Students will deepen their understanding of advanced filmmaking and apply techniques gleaned from their study of diverse directors. Through pre and post production, students will be in charge of the creative process.

Prerequisite: Video Production 1. Open to juniors and seniors. (0.5 credit)

Architecture

This semester course introduces students to architecture and computer-aided design. Using Chief Architect, students will develop custom homes, multifamily housing and commercial buildings. Students will explore aspects of architecture from historical, artistic and functional contexts with an emphasis on spatial design, ordering principles and fundamental architectural elements. In addition, this course will familiarize students with marketing and real estate principles as students analyze projects in real-world contexts. No prerequisites are required. This course is open to sophomores, juniors and seniors. (0.5 credit)

Graphic Design Graphic Design 2

This semester course allows students to explore graphic design through the use of Adobe Photoshop and Adobe Illustrator. Students use the above knowledge to modify digital photography and to create and modify illustrations. (0.5 credit each)

Broadcast Journalism: TV Production

This course introduces students to video storytelling, digital reporting and broadcast television. As members of RJTV, students will synthesize the various aspects of television production and formally present a mastery of the medium. News literacy, news values and the social role of media will be examined and used as the students make content decisions. RJTV gives students the real-time experience of a deadline-driven television newsroom. Students rotate through newsroom jobs such as director, switch operator, editor, writer, producer, anchor, reporter and videographer. Students learn to write news and feature scripts, shoot and edit video to tell a story, organize and produce a newscast, work together as a broadcast news team to air live and taped broadcasts to the community. Students may take this course more than once for credit with instructor approval. Open to all grade levels. (0.5 credit)

Journalism

This semester course introduces students to the world of print and online media, video, and broadcast. The history of journalism, law, ethics, news literacy and Internet and social media responsibility, including 21st media convergence and civic duty to identify and analyze what is fair, balanced and true, will complement the major units of study: reporting, writing, editing, photography, videography, multimedia production and publishing, and design. Students will have the opportunity to use state-of-the-art software for graphic design, photography, magazine publishing and video production tools. During this semester course students will work as reporters on staff to support the student-run news magazine, the broadcasting program, and RJ Radio podcasting. Open to all grade levels. (0.5 credit)

Advanced Journalism

This semester course offers students the opportunity to be part of a real world, student-run newsroom that produces content for the student news magazine, online student site, RJ Radio, and the student-run broadcast network. Students will coordinate efforts to organize, edit, design and produce news, feature, and opinion packages. Students will also become responsible and proficient in their use of social media and their civic duty to identify and analyze fair, balanced and true information. They will learn and practice advanced reporting, writing, editing, photography, design, and multimedia production. Students may specialize in specific areas as managers or editors. Media literacy, law, ethics, and professional and ethical presentation and communication, will be cornerstones of study. Students may take this course more than once for credit with instructor approval. Open to sophomores, juniors, and seniors. (0.5 credit)

RJ Sports Network: Media Production

The goal of RJ Sports Network is to highlight our student-athletes through multimedia production, including live-event broadcasts, feature and graphic packages, highlights, and studio shows. Students in the course will also work on print and radio stories. Students will work as an ESPN-style sports media team to create, package, publish and promote content to the wider community. They will gain practical experience in collaboration, decision-making, communication and production using state-of-the-art production technology and an understanding of audience, culture, and storytelling. Open to sophomores, juniors and seniors. (0.5 credit)

RJ Sports Network 2: Advanced Media Production

In this full-year course, students will be the lead producers and directors for RJ Sports Network, a program that highlights our student-athletes through multimedia production, including live-event broadcasts, feature and graphic packages, highlights, and studio shows. Students in the course will also work on print and radio stories. Students will work as an ESPN-style sports media team to create, package, publish and promote content to the wider community. RJ Sports Network 2 students will specialize in specific areas of focus and demonstrate mastery through presentation of a Colorado Student Media portfolio. Areas of specialization include: commentary, graphics and multimedia design, research and writing, on-camera personality, and production manager. Open to sophomores, juniors and seniors. (1 credit)

AP Computer Science Principles

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. Rather than

teaching a particular programming language or tool, the course focuses on using technology and programming as a means to solve computational problems and create exciting and personally-relevant artifacts. This is a full-year course open to all students in grades 10-12. This course will prepare students to take the CollegeBoard AP Computer Science Principles exam in the spring. (1 credit)

Yearbook

The yearbook class involves the production of the annual Raider yearbook. Students will write and edit articles, create layouts, take photographs and submit yearbook pages using the latest publication software and technology. Students may take this year-long course more than once for credit with instructor approval only. This course is open to grades 10-12. (1 credit)

Health & Physical Education

Team Sports

This semester course is designed for the student who wants to improve her knowledge and skills of team sports. Fitness testing will occur throughout the course of the semester. (0.5 credit)

Health

The purpose of this semester course is to educate students about their physical, social and emotional health. Through meaningful discussion, assignments, projects, speakers and written assessments the information the students gain will help them make informed choices about their health now and in the future. This course is a graduation requirement, taken during 9th grade. (0.5 credit)

Personal Fitness

This semester course is designed for the student who wants to learn how to improve and increase her personal muscular strength/endurance, flexibility and cardiorespiratory endurance fitness level. Students enrolled in this course will develop, implement and monitor her fitness plan. The class activities involve aerobic activities (i.e. weight training, running, ab circuits, jump roping), and agility drills. (0.5 credit)

Basic Dance

This semester course allows students the opportunity to learn the basic fundamentals of dance. Several different styles of dance are studied. This is a beginner class for students with little or no dance background who are interested in learning the history and interpretation of dance. The student learns the physical steps to basic dance routines. (0.5 credit)

Advanced Dance

This semester course is designed for those students who have a strong dance background. The dance units include advanced dance techniques in ballet, lyrical and jazz. Students have the opportunity to study professional dance choreography and

techniques, to choreograph their own dances and to explore the various dance careers available. (0.5 credit)

Intermediate Dance

A continuation of Basic Dance, this class furthers study and development of coordination, agility, flexibility, rhythm, body awareness, dance technique, and self-confidence while performing. This class also encompasses elements of choreography, such as floor patterns, direction change, weight change, level change, and use of space. Students will be expected to create mini-routines through their gained knowledge of choreography. (0.5 credit)

Beginning Ballroom Dance

Beginning Ballroom Dance is a co-enrolled semester course that explores the world of ballroom dance. Students will learn basic ballroom dances from varying cultures in a respectful environment. This course focuses on partnering techniques, body alignment, rhythm, discipline, and basic knowledge of ballroom dance. This course is open to juniors and seniors. (0.5 credit)

Weightlifting

This semester course is designed for the student who wants to improve her overall fitness level, as well as increase her muscular strength and flexibility. The class activities will include weightlifting, stretching, plyometrics and agility drills. The student will be required to develop and monitor her individual weightlifting program. The student will also gain an understanding of basic exercise physiology principles and basic anatomy as it applies to the skeleto-muscular system. (0.5 credit)

Individual Lifetime Sports

This course is designed for the student who wants to improve her knowledge and skills in individual activities recognized as life-long sports, including but not limited to golf, mini-golf, Frisbee golf, bowling, billiards, tennis, badminton, racquetball, and ice skating. Activities will require some additional course fees and travel off campus. (0.5 credit)

Aquatic Sports

This semester course is designed for the student who enjoys the aquatic environment. Sports covered include but are not limited to water polo, water basketball, water volleyball, water softball, diving, and synchronized swimming. The basic swimming strokes: freestyle, breast, butterfly and back are covered during the fitness part of the class. All students will be required to participate in a pre and post swim test. (0.5 credit)

Mind/Body

This course is designed to introduce students to mind/body exercises. There will be an introduction to various styles and philosophies. This course will

consist of guided practice for core stabilization, toning techniques, starting at the basic levels, and progressing to more advanced sequences as students progress. (0.5 credit)

Mind/Body 2

This course is a continuation of study from Mind/Body. Students will deepen their understanding of philosophy, meditation, and various styles of physical movement. Students will develop and document a personal practice log, and be introduced to intermediate inversions and arm balances. (0.5 credit)

Fit for Life

This course is designed for students who have a desire to engage in a variety of high-intensity fitness activities they can participate in for a lifetime. Activities include, but are not limited to, circuit training, tabata training, cardiorespiratory endurance training, strength training, boot camp, plyometrics, and stretching. Students will be required to develop and implement a class workout and/or participate in regular training plan to participate in a 10K/half-marathon run. The student will also gain an understanding of basic exercise physiology principles and basic anatomy. (0.5 credit)

Medical Exploration

An introductory course for students interested in health care and/or medical professions. Students learn safety procedures, CPR/First Aid (can test for certification), and are exposed to different medical professions. Guest speakers are brought in. Students are introduced to basic medical terminology and anatomy. This course will serve as a recommended introduction to more detailed courses in the sciences, such as Anatomy & Physiology and Scientific Principals of Athletic Training (SPAT). This course does not fulfill a Science or Physical Education requirement. (0.5 credit)

Mathematics

Honors Algebra 1

This course extends student knowledge of linear and quadratic equations, graphing, polynomials, factoring, problem solving, and all other topics covered in Algebra 1. In addition, students will be introduced to exponential, logarithmic, and trigonometric functions. The class is intended for those students who have prior algebraic knowledge and a qualifying score on the Algebra proficiency exam, but need a more solid foundation, and a deeper knowledge, to continue on in the honors math sequence. (1 credit)

Algebra 1

This course introduces concepts such as linear and quadratic equations, graphing, polynomials, factoring and problem solving. Students normally take this as the first standard math course in the high school sequence. An honors level class is available

for students placed with departmental approval, based upon results from the Algebra proficiency test. (1 credit)

Honors Geometry

This course introduces students to geometric vocabulary, postulates, and theorems. Honors geometry contains extensive analysis of different types of polygons and polyhedra and their properties and measurements. In addition to the study of proofs as applied to plane figures, symbolic logic is introduced. The curriculum includes a review of algebra, applications of algebra and analytic geometry, transformations of plane figures, and trigonometry. Prerequisite: Honors Algebra 1. (1 credit)

Geometry

This course introduces students to geometric vocabulary, postulates, and theorems. In addition to the study of proofs, as applied to plane figures, symbolic logic is introduced. The curriculum includes review of algebra and applications of algebra to analytic geometry. This is the second standard math course in the high school sequence. Prerequisite: Algebra 1. (1 credit)

Honors Algebra 2 / Trigonometry

This course advances the student's algebraic skills by focusing on conic, polynomial, rational, logarithmic, exponential and trigonometric functions and graphs. The topics prepare the student for Precalculus analysis. Prerequisite: Honors Geometry. (1 credit)

Algebra 2

This course advances the student's algebraic skills by focusing on polynomial, rational, logarithmic and exponential functions and graphs. This is the third standard math course in the high school sequence. Prerequisite: Geometry. (1 credit)

Calculus

This course is an alternative to AP Calculus AB. It is the equivalent to a first-year Calculus course for a math or science major at most colleges. Topics include analytic geometry, limits, continuity, differentiation and integration of polynomials, rational, logarithmic, exponential, and trigonometric functions in a single variable, application to maximum and minimum problems, and volume of a solid revolution. Department approval required. Prerequisite: Honors Pre-Calculus / Intro to Calculus or Honors Algebra 2 / Trigonometry. Graphing calculator required. (1 credit)

AP Calculus AB

This course is designed to prepare students for the Calculus AB AP exam and provides a college-level treatment of differential and integral calculus. Trigonometric, logarithmic and exponential functions are explored. Problem-solving skills in areas of exponential growth, related rates and maximum/minimum problems will be explored. The

AP exam is offered in the spring. Prerequisite: Honors PreCalculus / Introduction to Calculus. (1 credit)

AP Calculus BC

This course is designed to prepare students for the Calculus BC AP exam and provides a college-level extension of AP Calculus AB. The course teaches broad concepts and widely-applicable methods. Facility with manipulation and computational competence are important outcomes. Unifying the themes of derivatives, integrals, limits, approximation, application and modeling are emphasized. The AP exam is offered in the spring. Prerequisite: Honors PreCalculus / Introduction to Calculus. (1 credit)

Honors Precalculus / Introduction to Calculus

This course includes advanced topics in conic, polynomial, logarithmic, exponential and trigonometric functions. It will also include an introduction to limits, derivatives and integrals in preparation for AP Calculus. Prerequisite: Honors Algebra 2 / Trigonometry. (1 credit)

Finance/Accounting/Computing

A one-semester course offering an introduction to basic accounting and finance terminology such as costs, revenue, net worth, cash flow, budgets, value, taxes, credit and insurance. Students will apply basic algebraic principles, problem-solving skills and computing to form conclusions and to make sound financial decisions. This course is an elective and does not satisfy the Math requirements for graduation. (0.5 credit)

AP Statistics

The purpose of this course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course, while preparing students to take the AP Statistics exam, will expose students to four broad conceptual themes, which are exploring data, sampling and experimentation, anticipating patterns, and statistical inference. AP Statistics students are active and engaged learners. They will analyze data with calculators and computers, conduct classroom experiments, carry out individual and group projects, and perform simulations involving concepts of probability. Prerequisite: Honors Algebra 2 / Trigonometry. (1 credit)

Trigonometry

This one-semester course includes a thorough examination of trigonometry and related algebraic and geometric content. Trigonometry is a prerequisite to future course work in Calculus, be it at Regis Jesuit or at the college level. Prerequisite: Algebra 2. (0.5 credit)

Precalculus

This one-semester course will have students examine functions in more depth in preparation for advanced mathematics in college. Intended for students who have completed Trigonometry. (0.5 credit)

Probability & Statistics

This is a one-semester course offering a general overview of probability and statistical methods used in data origination, management and analysis. Topics include graphic and numeric data presentations, probability, distributions, sampling techniques, central limit theorems, estimation, hypothesis testing, correlation, Chi square and regression analysis. (0.5 credit)

Calculus 3

Calculus 3 is a full-year course in the calculus of functions of more than one variable. Students enrolling in Calculus 3 must have successfully completed a year in AP Calculus BC. The course is divided into two semesters, a semester studying Multivariable and Vector Calculus and a second semester in Differential Equations. (1 credit)

Performing Arts

Speech & Debate

This semester course is designed for those interested in public speaking, debate, interpretation of literature, and/or overall improvement in speech delivery. Students will learn about appropriate vocal expression, physical language, and physical stature that apply to various speech forms. This course fulfills the Communications graduation requirement. (Grades 9-12) (0.5 credit)

Introduction to Music

Have you ever wondered how to play a musical instrument, but haven't had a chance to try? Drums, strings, brass, woodwinds...these instruments are all available to try in this one-semester course. You will get the chance to try out a number of instruments and focus on one to play in a class ensemble. No experience is necessary. You will learn to read music, count rhythms, understand how sound works, and even create your own instruments. This course is open to grades 9-12. (0.5 credit)

Competitive Speech & Debate

This semester-long course is designed for the serious student who wants to be part of the Regis Jesuit Competitive Speech and Debate Team. Students will have the opportunity to explore the following areas: Drama, Humor, Poetry and Duo Interpretation of Literature, Original Oratory, Extemporaneous Speaking, Lincoln-Douglas Debate, Public Forum Debate, Student Congress, Impromptu Speaking and Creative Storytelling. Students will learn to compete at speech meets, become members of the National Forensic League (the National Honor Society for students of speech), and have the opportunity to

letter in speech. Students will be required to compete in three (for a letter grade of C) to five (for a letter grade of A) Saturday speech meets during the class. The class fulfills the Communications graduation requirement. (Grades 9-12) (0.5 credit)

Interpersonal Communication

In this semester course, students focus on the original language arts - speaking and listening - so that they better understand the dynamics of interpersonal communication in their lives. Students learn the proper techniques of public speaking and develop a foundation for becoming more comfortable speaking in front of an audience. This course fulfills the Communications graduation requirement. (Grades 9-12) (0.5 credit)

Theatre

Students will study the history of the theatre as well as the practical and artistic aspects of the theatre by practicing the techniques of stage movement, pantomime, vocal expression, physical language, action and improvisation, and performing monologues and scenes from different plays. This semester course fulfills the Communications graduation requirement. (Grades 9-12) (0.5 credit)

Technical Theatre

A semester, hands-on course to develop student leadership in the technical aspects of stagecraft. Students will learn theatre safety techniques while constructing, painting, and lighting the school Drama Productions. A major goal of this course is for students to demonstrate the ability to create and design future productions from script analysis and functionality of the arena theatre scenario. Students with previous experience in art or construction are encouraged to register; however, it is not required. (Grades 10-12, Prerequisite: Theatre) (0.5 credit)

Acting

This course includes advanced techniques of voice production, improvisation, scene study, and in-depth character work. A formal study of the Method, and other techniques will be applied to Elizabethan and classic American Dramas. Classes will include video resource, exercise, recital, and rehearsal for formal presentations. Directing styles and criticism skills will also be explored. Attendance at one professional theater production, along with a report, will be required. Students must be comfortable with being in front of an audience effectively. Students will produce a one act or full play for study of these techniques. A student may take this semester course twice for credit, but not in the same school year. (Grades 10-12, Prerequisite: Theatre) (0.5 credit)

Chorus

This ensemble is open to all singers hoping to begin or expand upon their vocal talent. The members will be singing standard unison to three-part (SSA) vocal repertoire. Both secular and sacred music will be studied and sung in the appropriate styles. Proper

singing technique and ensemble skills are emphasized. (Grades 9-12) (0.5 credit)

Concert Band

Intermediate to advanced wind, brass, and percussion players form this ensemble for a full year. The purpose of this group is to explore and interpret original concert band literature as well as transcriptions of Classical pieces. Students will be challenged to advance their own individual skills as well as learn the necessary ensemble skills. Public and in-school performances are a part of this course. Prerequisite: 3 years' experience on instrument. No audition is required. Piano players with three years' experience are welcome to play percussion. Concert Band will be co-enrolled. (Grades 9-12) (1 credit)

Beginning Guitar

This is a one-semester course for beginning guitar players. Performance of various styles of guitar literature and transcriptions, combined with basic music theory, will increase the student's knowledge of music and appreciation of the effort and reward involved in playing an instrument. No prior musical experience is necessary. (Grades 9-12) (0.5 credit)

Beginning Piano

This course is open to all students with no experience necessary. Students will learn the fundamentals of piano performance through exercises and performance pieces, drawing from both traditional and modern repertoire. Students will learn how to read music in two clefs in standard notation as well as how to interpret chord symbols. Lastly, there will be opportunities for personal creative expression through composition and improvisation in a jazz setting. (Grades 10-12) (0.5 credit)

Advanced Guitar

This semester course is open to intermediate guitarists. The course focuses on the performance of guitar ensemble pieces, drawing from classical, modern, rock, pop and jazz repertoire. Advanced guitar emphasizes an increased understanding of the fretboard through advanced scales and chord voicings. This course is open to sophomores, juniors and seniors. Prerequisites: Beginning Guitar or Audition. This course is open to grades 10-12. (0.5 credit)

Advanced Jazz Ensemble

This year-long course is open to students with a previous knowledge of jazz, which they could have acquired through participation in Jazz Band in middle school or at Regis Jesuit by taking the course Jazz Band. Students will improve their abilities on their instrument through advanced study of jazz theory and an increased level of difficulty in performance pieces. They will also explore improvisation, soloing and "comping" in numerous styles and keys, as well as creating their own arrangements of jazz standards. Researching and studying original performers in jazz will develop a

stronger background on which to base their performing abilities. An audition is required. This course is open to grades 9-12. (1 credit)

Regis Jesuit Chorale

Students interested in choral performance and vocal improvement may want to be a part of this intermediate, two-semester choir. Secular and sacred music, foreign languages, and diverse musical cultures are studied and sung in the appropriate styles. Public and in-school performances are a required part of this course. An audition is required. (Grades 9-12) (1 credit)

Canta Belles

This choir meets for two semesters and represents the most advanced female vocal ensemble at Regis Jesuit Girls Division. In order to enter this prestigious ensemble, students must exhibit skills in music theory, sight singing, and 4-part (SSAA) vocal arrangements. Advanced secular and sacred music, foreign languages, Broadway hits, Jazz, and diverse musical cultures will be studied and sung in the appropriate styles. Public and in-school performances are a required part of this course. An audition is required. (Grades 11-12 only) (1 credit)

Music Theory & Composition

This course is designed for students with any level of musical training and performance who have an interest in learning more about the function, form, and composition of music. Exploration of the different theories, cultures and genres of musical composition will create a stronger knowledge and appreciation of music in an historical and personal aspect. (Grades 9-12) (0.5 credit)

String Orchestra

This year-long course is open to intermediate and advanced violin, viola, cello, bass, and piano students. The String Orchestra performs collections from the Baroque, Classical, and Contemporary periods, as well as jazz and popular repertoire. Each member delves into music theory, technique, and collaborative performance. Prerequisite: 3 years' experience on a string instrument. No audition required. String Orchestra will be co-enrolled. (Grades 9-12) (1 credit)

Advanced Music Theory

As a continuation of Music Theory and Composition, this semester course will further discuss advanced music theory concepts. Students will produce compositions using different styles and methods with notation software. Ear training will continue with melodic, harmonic and rhythmic dictation. Teacher permission is required in order to register for the class. Prerequisite: Music Theory & Composition. This course is open to grades 11-12 only. (0.5 credit)

Science

Honors Biology

This full-year course includes all objectives listed in regular Biology with added depth, and includes an emphasis on scientific and technical writing, formal laboratory report writing, independent research, and presentations. This course is intensive and designed to prepare motivated students for the challenging AP Biology course. (1 credit)

Biology

This full-year course covers the integration of physical laws of the universe with living systems. The specific topics covered are biochemistry, cell structure and function, genetics, the theory of evolution, taxonomy, and ecology. Dissections are a part of this course. (1 credit)

Scientific Principles of Athletic Training

A practical, hands-on course designed to provide study into the recognition, cause, prevention, and treatment of various medical and sports-related injuries and illnesses. Through a mandatory 6-hour internship experience, primarily working with school sports teams outside school hours, students will directly apply classroom knowledge while assisting the Certified Athletic Trainer in the care of athletes and in the training room. Portfolio and practical assessments will be used in this course, which will allow the student to demonstrate her growth in the mastery of the course material throughout the semester. It is strongly recommended (not required) that students have taken the Medical Explorations course prior to enrolling in SPAT. (0.5 credit)

Honors Chemistry

This full-year course is designed for the student interested in a deeper understanding of chemistry. A strong math and science background is highly recommended. The specific topics covered in this course include atomic and periodic structure, naming and writing compounds, chemical reactions, mole relationships, solutions, gas laws, thermodynamics, electrochemistry and nuclear chemistry. Independent, technical labs are required to further develop research techniques, and writing skills. (1 credit)

Chemistry

This full-year course covers the study of matter, energy and their interrelationship. The specific topics are atomic and periodic structure, naming and writing compounds, chemical reactions, mole relationships, solutions, gas laws, thermodynamics, electrochemistry and nuclear chemistry. (1 credit)

Robotics 1

The Robotics 1 course is a semester-long course that introduces ideas of design and programming as well as physical science and physics principles through the use of the Lego EV3 Robotics kits. The course is designed around challenges that grow in complexity

as the semester progresses. Each challenge will be met by having a working robot, a presentation to explain their design and solution to the challenge, and a notebook of the work done in creating and testing the robot. Open to freshman and sophomore students only. (0.5 credit)

Robotics 2

Robotics 2 will offer students a chance to program and build advanced robots to accomplish a variety of tasks. The focus of this course will be on the engineering design process as well as programming. Students will learn to code the robots using C and learn how to design robots in order to meet specified tasks throughout the course. By the end of the course, students will have a good knowledge of C programming and a thorough grasp of the engineering design process. (0.5 credit)

AP Biology

This course is equivalent to that of an introductory, college-level Molecular, Cellular and Organismic Biology course, involving an in-depth, detailed study of living organisms. This is a fast-paced course, requiring a great deal of independent study, especially in preparation for the spring AP Biology exam. A strong background in Biology and Chemistry and a commitment to one to two hours of daily study are essential to success. Lab work is a critical component of this course and may require time outside of class to complete. Topics include: biochemistry, cell structure and function, molecular genetics, the theory of evolution, taxonomy and ecology. (1 credit)

Physics

This is a full-year, hands-on, project-based course in introductory physics. The laws which govern matter and energy in our universe are explored. Areas of emphasis include mechanics, dynamics, matter, sound, and electricity. This course emphasizes the mathematical applications associated with each topic. (1 credit)

Anatomy & Physiology

This semester course is designed to allow the student to learn intensively how the human body operates, and offer in-depth study of major body systems. Dissection is a component of this course. Prerequisite: completion of Biology and Chemistry. (0.5 credit)

Colorado Geology

This semester course will explore the major topics in Geology as they apply to the state of Colorado. Topics that will be explored include: rocks and minerals, landforms, plate tectonics, earthquakes, volcanoes and mountain building, topographic maps, and geologic history. Prerequisites: Chemistry and Biology or co-enrolled in Biology. (0.5 credit)

Forensic Science

Students will build on their knowledge from Biology and Chemistry to think critically and solve crimes. Topics covered will include crime-scene investigation techniques; rules and laws relating to forensic evidence; forensic entomology; drug structure and organic chemistry, blood, bloodstains and DNA; and anatomical remains. The class will be lab based and students will strengthen their critical thinking and problem-solving skills. Knowledge of DNA structure and chemical bonding is required. Prerequisites: Biology and Chemistry. (0.5 credit)

AP Chemistry

This full-year course, an in-depth study of the principles and applications of modern chemistry, is designed to be equivalent to that of an introductory, college-level chemistry course. This is a fast-paced course, requiring a great deal of independent study, especially in preparation for the spring AP Chemistry exam. A strong background in Biology and Chemistry and a commitment to one to two hours of daily study are essential to success. The main topics covered are stoichiometry, atomic theory, gas laws, solution chemistry, kinetics, chemical equilibrium, acid base theory, and electrochemistry. The emphasis is on mastery of these topics through problem solving, both in class and in the laboratory. This is a senior-level class, although some juniors who meet the prerequisites may be eligible to enroll. This course has been authorized to use the AP designation by the CollegeBoard. Prerequisite: Chemistry. (1 credit)

Bio-tech Ethics

This is a laboratory-based science elective. Students will gain knowledge of new technology used in the Biomedical field. This includes PCR (Polymerase chain reaction), ELISA, western and southern blots, DNA, fingerprinting, etc. Students will be required to solve "crimes" using the new technology. They will also discuss current ethical issues relating to these new technologies. (0.5 credit)

Engineering Principles & Design

In this course, students will develop and apply engineering design skills by engaging in independent and team-based research projects and various hands-on challenges. Students will hone problem-solving and critical-thinking skills that will help them prepare for engineering at the university level and/or interdisciplinary collaborative problem solving. This course is open to juniors and seniors. (0.5 credit)

AP Physics 1

An algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical-thinking and reasoning skills. Prerequisite: Geometry. (1 credit)

AP Physics C

AP Physics C is a year-long course. It forms the first part of the college sequence of physics for students majoring in the physical sciences or engineering. The sequence is parallel to or preceded by mathematics courses that include calculus and is more intensive and analytical than the AP Physics 1 course. Strong emphasis is placed on solving a variety of challenging problems, some of which require calculus. The subject matter of the C course is principally mechanics, electricity and magnetism. Prerequisites: AP Physics 1 or Honors Pre-Calculus / Introduction to Calculus. (1 credit)

AP Environmental Science

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. The AP Environmental Science course is an excellent option for any interested student who has completed a year of Biology and a year of Chemistry. Because of the prerequisites, AP Environmental Science will usually be taken in either the junior or senior year. (1 credit)

Social Studies

Human Geography

Human Geography is a required semester-long course for all ninth-grade students that will take students through a survey of physical geography, along with significant factors that impact human movement and diffusion. Students will explore the history, various cultures, and current events of major world cultures and religions through the use of maps, news articles, and other primary and secondary sources. (0.5 credit)

World History / Global Studies 2

This course is required for first semester of sophomore year. The course is designed to continue helping students improve their writing and analytical skills while also pursuing a thematic understanding of human societies and institutions that developed in different areas of the world during the medieval and early modern periods of history. (0.5 credit)

World History / Global Studies 3

This course is required for second semester of sophomore year. This course is designed to refine skills gained during the previous two segments, and culminates in preparation of an in-depth research paper relating to topics selected annually through the National History Day program. Using a comparative, global scope, the course content focuses on modern history approximately from the

Age of Revolutions (political and industrial) to the present time. (0.5 credit)

AP World History

AP World History uses a chronological perspective to develop greater understandings of global processes and human interaction. Students will gain important research and analytical skills, and an ability to draw upon significant areas of factual knowledge about major civilizations, to construct reasoned arguments about continuity and change in the frameworks of society, as well as major themes and turning points in periods of human history. Students will be prepared for and encouraged to take the AP World History examination, given annually in May. The course requires higher-level reading comprehension and writing skills and more independent and self-motivated study. (1 credit)

AP US History

This course is designed to prepare students for the AP United States History exam. The student's understanding of America's development is enhanced by an integrated presentation of history, geopolitics, literature, art, music and philosophy common to the period under study. Elements of study include lecture, research, simulation, group activities and debate. Advanced educational skills of analysis and evaluation of materials are emphasized. (1 credit)

US History

This course examines the social, economic, political and some of the artistic developments and/or events of United States history. Intellectual and philosophical movements are reviewed. The connection of U.S. History to histories of other nations is presented. The emphasis of this course encourages a student's ready recall of prominent individuals, events and dates. (1 credit)

AP European History

This course is a full-year college-level course. It will be a seminar course requiring extensive reading and writing. It should fulfill a first-year college requirement. The course will examine these three major areas of the formation of Western Civilization: (1) the Renaissance and Reformation, (2) the rise of the European State and (3) 20th Century European and Western Diplomacy. (1 credit)

Economics

This one-semester course will introduce students to the various forms of economic systems. Students will receive an overview of both Micro and Macro Economics, and discuss the American "free-enterprise" system. The topics covered will include: inflation, stock market, recession, unemployment, productivity, supply and demand, international economic issues, banking systems, and applied business principles. The text, supplemental readings, and internet-based activities will focus on current economic issues. (0.5 credit)

Sociology

Sociology will provide students with an appreciation for the causes and consequences of human behavior. A variety of classroom activities will encourage the student to analyze her social environment. Emphasis will be placed on the five key concepts of modern-day society by focusing on such significant issues as deviance, stratification, minorities, poverty, crime and gender. (0.5 credit)

Psychology

Through exposure to Psychological theories, exploration of the human psyche, and understanding of psychological development, students will come to a deeper appreciation of the human person and arrive at a greater self-understanding and understanding of others. The areas to be explored are: personality, development, cognitive process, dysfunction, and resolution of psychological conflict. (0.5 credit)

Philosophy

The course is designed to give students a survey of great philosophers and impactful philosophical thoughts throughout the ages. It will also give students a strong foundation in critical and creative thinking, argument construction, and argumentative writing. Students will also engage in open-minded discussion and professional debate, as they tackle head on some of the greatest philosophical ideas in human history. (0.5 credit)

20th Century Studies

This is a senior-level seminar course that examines trends and movements of the 20th Century that significantly changed the way Americans lived and how they viewed their world. While certain major political and economic events will be discussed, the main topics will be the technological, cultural and artistic innovations that are considered uniquely American. Students will be able to look at many aspects of American culture as a tapestry of sorts, understand its unique and broadening design, and suggest the future patterns that may yet be sown. (0.5 credit)

AP US Government

This is a one-semester advanced course in which students will analyze the contemporary nature and function of the American national political system. Students will understand the framework of American political values and traditions, the essential components of the institutions and processes through which the political system operates, and how public policy is adopted and implemented. (0.5 credit)

AP Comparative Government & Politics

This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate

to students the importance of global political and economic change. Comparison assists both in identifying problems and in analyzing policy making. This course is restricted to seniors or to juniors with departmental approval. (0.5 credit)

AP Macroeconomics

This is a one-semester Advanced Placement course that will prepare students for the AP Macroeconomics exam. Students will understand basic economic concepts. Students will also practice in-depth analysis of topics that include: the measurements of economics performance, national income & price determination, financial sectors, stabilization policies, economic growth, and international trade & finance. This course is open to seniors or to juniors with permission from the instructor. Prerequisite: students must have successfully completed Honors Algebra 2 / Trigonometry. (0.5 credit)

AP Art History

AP Art History is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in periods from present times into the past. Students acquire an ability to examine works of art critically, with intelligence and sensitivity, and to articulate their thoughts and experiences. The main topic is European Art, with focuses on African, Hindu, South and East Asian, and Islamic Art. (1 credit)

Theology

Theology 1A

In the first semester of this full-year course, students will be introduced to the core beliefs and practices of the Roman Catholic Church. Students will also be introduced to the history of Regis Jesuit High School, the life of St. Ignatius Loyola, and Ignatian spirituality. (0.5 credit)

Theology 1B

In the second semester, flowing out of their exploration of Catholic teachings, students will study personal, moral issues which directly affect their lives. Some of these topics include but are not limited to: honesty, integrity, selfishness, alcohol/drug use, sexuality and the consistent ethic of life within the Catholic Church. This course is designed to allow all students, regardless of their previous experience with Catholicism, an opportunity to understand what the Catholic faith represents and how that affects daily life choices and decision making. (0.5 credit)

Theology 2A

Theology 2B

The Sophomore year in Theology will concentrate entirely on Scripture. The fall term will be an introduction to the Hebrew Scriptures. We employ an historical-critical approach while studying the Books of the Law, Historical Books, Wisdom Books, and the Prophets. The spring term focuses on the New Testament. Students will study the Synoptic Gospels by reading the Gospel of Mark, in its entirety, and examining the components unique to Matthew and Luke. We will also explore John's Gospel and how it presents another way to image Christ in our lives. By the end of the year the students will be asked to see the movement and the flow of the spirit in the canonical whole of scripture from Genesis through Revelation. (0.5 credit each)

Theology 3A

Theology 3B

Junior level Theology is comprised of two semesters: Sacramentality and Catholic Ethics, respectively. Based upon the knowledge gained in Theology II, the fall semester of Sacramentality is predicated upon a foundational basis of sacred Scripture. Sacramentality will explore the signs, meaning, and experience of each of the seven sacraments within Catholic tradition as part of daily life. After engaging in the study of the sacraments, this understanding will be expanded and utilized as a prologue to Catholic Ethics in the spring. Moral implications will be examined, including right-to-life issues such as abortion, capital punishment, bioethics, euthanasia, etc. along with ethical living and the study of war, poverty, genocide, drugs, sexuality/Theology of the Body, etc. This study of ethics will rest upon an introduction to philosophical morality (Aristotle, Kant, Mill) and basic psychology (Freud, Maslow, Keirsey). (0.5 credit)

Spirituality & Justice

This is an umbrella course that will touch on spirituality, justice and real life. It is a one-semester course adapted to the individual's faith journey and living out The Call. It involves reading, discussing, listening to wisdom women, time to hear God's voice, and moving towards a spirit of solidarity. This course is open to seniors. (0.5 credit each)

Christian Life

Christian Life is an exploration of the main vocational choices: single life, religious life, and married life within the context of Christian belief and Catholic teaching. Believing that one's main vocation in life is to love, catechesis on establishing and maintaining genuinely loving relationships is especially important. This senior-level course is based upon the perspective that love is a challenge and a process, and living out one's Gospel call requires the love of God, one another, and one's self. A variety of current issues will be discussed as to how they apply to one's main vocational call to love. Some of these topics include, but are not limited to:

being a Godly woman in a secular society, vocational discernment, the religious life, self-destructive behaviors, a healthy respect of sexuality, misuse of sexuality / sexually-transmitted diseases / and emotional baggage, how to live a moral life at college, dating rights, sexual abuse, homosexuality and more. (0.5 credit)

God Concepts

The course demands that students encounter their faith in a deeply philosophical and challenging way as they engage the philosophical underpinnings of the Christian message. How can we believe in a good and loving God in light of human suffering? What does it mean to know God? What does it mean to know anything? What is the nature of God? Why are we here? These core concepts will be addressed also through the lenses of the major world religions in an attempt to help the students clarify for themselves what it means to be a person of faith in view of Catholic thought. This course is open to seniors. (0.5 credit)

Service Learning

This course offers an active approach to learning theology, by integrating a service experience into the academic curriculum. Students will engage the concepts of Catholic Social Teaching, Papal Encyclicals, and Theological Writings on poverty and justice issues. Students begin the semester developing a deeper understanding of the societal issues of poverty and marginalization, Catholic Social Teaching, and the process of social analysis and advocacy. The middle six weeks, students will be immersed in the service experience, submitting written reflections on the experience. The last six weeks will be spent integrating the process of social analysis. (0.5 credit)

Introduction to Ignatian Spirituality

The wisdom of St. Ignatius can be especially helpful in making important life decisions about relationships and careers. This class will focus on Ignatian Spirituality and its application to a young adult. (0.5 credit)

Regis Jesuit High School admits students of any race, color, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

Girls Division Graduation Requirements

Subject Area Required Credits
(1 semester = 0.5 credit)

- English.....4.0
- Mathematics.....4.0
- Theology:.....4.0
- Science.....3.0
- Social Studies:.....3.0
- Classical & Modern Language.....2.0
- Communications.....0.5
 - Acting, Broadcast Journalism, Competitive Speech and Debate, Interpersonal Communications, Journalism, RJ Sports Network 1, RJ Sports Network 2, Speech and Debate, Theatre
- Humanities/Arts.....0.5
 - Acting, Advanced Guitar, Advanced Jazz Ensemble, AP Studio Art, Beginning Guitar, Beginning Piano, Canta Belles, Ceramics 1, Ceramics 2, Ceramics 3, Chorus, Concert Band, Fine Art 1, Fine Art 2, Introduction to Music, Jazz Band, Music Theory, Oil Painting & Pastels 1, Oil Painting & Pastels 2, Regis Chorale, Sculptural Explorations, String Orchestra
- Computer Science.....0.5
 - Advanced Journalism, Animation, AP Computer Science Principles, Architecture, Broadcast Journalism, Computer Programming 1, Computer Programming 2, Graphic Design, Journalism, RJ Sports Network, RJ Sports Network 2, Robotics 1, Robotics 2, Technology for Communication, Video Production 1, Video Production 2, Yearbook
- Physical Education.....1.0 (0.5 credit of Health, 0.5 credit of PE)
- Electives.....5.5

Total Credits Required for Graduation: 28

Note: Students should consult their counselors and the admission requirements of the colleges of their choice when planning their high school courses. Three years of Classical and Modern Languages are strongly encouraged by many colleges. High school graduates must complete four years of mathematics before gaining admittance to any Colorado four-year institution.

Regis Jesuit High School is on a block schedule with both Divisions on an alternate block schedule. Students must be enrolled in a full complement of courses (seven classes) each semester. The eighth period is used for all students to participate in the required Advisory program, as well as scheduled pastoral, enrichment and student life activities. Additionally, all students participate in pastoral retreat programs each year and are required to complete service hours each year, including two-week service projects during the junior and senior years. Seniors are required to complete the Senior Capstone Project.