



**ST. FRANCIS CATHOLIC HIGH SCHOOL**

**5900 ELVAS AVENUE**

**SACRAMENTO, CA 95819**

**COURSE DESCRIPTION CATALOG**

**2017-2018**

## TABLE OF CONTENTS

GRADUATION REQUIREMENTS .....	3
GENERAL GUIDELINES.....	4
ENGLISH DEPARTMENT.....	7
FINE & PERFORMING ARTS DEPARTMENT.....	11
MATHEMATICS DEPARTMENT.....	19
MODERN & CLASSICAL LANGUAGES DEPARTMENT.....	26
PHYSICAL EDUCATION DEPARTMENT & SPORTS.....	34
SCIENCE DEPARTMENT.....	40
SOCIAL STUDIES DEPARTMENT.....	45
TECHNOLOGY DEPARTMENT.....	49
THEOLOGY DEPARTMENT.....	53
OTHER COURSE OFFERINGS.....	56

## GRADUATION REQUIREMENTS

- A minimum of 240 credits is required for graduation.
- Each semester of coursework earns 5 credits.
- The semester requirements are:

<b>SUBJECT</b>	<b># OF REQUIRED SEMESTERS</b>
THEOLOGY	8 (every semester of attendance)
ENGLISH	8
SOCIAL STUDIES	7
MATHEMATICS	6
SCIENCE	6
MODERN & CLASSICAL LANGUAGES	4
FINE & PERFORMING ARTS	2
PHYSICAL EDUCATION	4
HEALTH	1
ELECTIVES	2

## GENERAL GUIDELINES

### **Prerequisites**

Prerequisites are designed to assure that a student is prepared to succeed in the course. For example, a student needs to master Algebra 2 in order to be successful in Precalculus.

### **Course Scheduling Policy**

Every effort is made to accommodate legitimate course requests. However, course availability, prerequisites and departmental guidelines may result in some requests not being fulfilled. Students must register for a minimum of six (60 units) classes and may not exceed eighty (80 units). Exceptions to credit maximums are made for one (1) credit Academic Teams, or a five (5) credit sport.

Students may not request a schedule change based upon teacher preference. Schedule changes are only allowed under the following circumstances:

- Students are cut from a sport and must add PE. (see PE Policy)
- A teacher or counselor initiated the change, determined through student performance in the class.
- St. Francis High School erred in scheduling; for example, a schedule that is missing a required course.

### **Add/Drop Policy**

Students may request a drop from Administration, if initiated by the teacher, at the end of 1st/3rd quarter (year long/semester long), within 5 days of the report card being posted. No grade will show on the transcript for an approved dropped course, at the end of the 1st/3rd quarter.

Students who request a drop at the end of 1st/3rd quarter (yearlong/semester long), after 5 days of the report card posting or without teacher recommendation, will receive a “W” without a grade penalty on their transcript. No drops may occur within 25 school days of the first final exam each semester.

- Students may not drop a Theology, Social Studies, or English class.
- Students on Academic Teams may request a drop if initiated by the teacher by half way through the team’s season and at the discretion of the Academic Team coach. Because each Academic Team season differs in duration, each team’s half way point is determined by the number of meetings held in that season per the team syllabus.
- Students who have petitioned for four honors/AP courses must have permission of Administration to drop a course.

### **Retaking A Course Policy**

If a student receives a “D” or “F” semester grade and retakes the course, both courses and grades will remain on the transcript. However, the higher grade will be used in GPA calculation and receive the credit. Student requesting to retake a course at another institution must receive counselor and administrative approval for placement on the St. Francis Catholic High School transcript.

### **PE Policy**

Students participating in any level of a St. Francis Catholic High School athletic team will be exempt from taking Physical Education (P.E.) in the semester during which their sport competes. Fall semester Contract P. E. is offered for Cross Country, Golf, Tennis, Water Polo, and Volleyball. Spring semester Contract P. E. is offered for Basketball, Soccer, Softball, Swimming and Diving, Lacrosse and Track. Each student-athlete must maintain good standing on the team for the duration of the season.

Students wishing to receive a P.E. waiver for a sport that is not a contract P.E. offering at St. Francis Catholic High School, must submit a P.E. Waiver form found on the school's website. All P.E. waivers must be submitted within the first two weeks of the the school year. No late waivers will be considered.

A senior who has acquired 15 credits, and on a Spring, sport must complete the entire season. If she gets cut from a team or quits within the first two weeks of the semester, she must join a St. Francis non-cut sport, or will be placed in Cardio or Rec-Fitness. If she chooses to not try out, or quits after the first two weeks of the semester, she will be placed in a Cardio or Rec-Fitness class with a grade reduction commensurate with the amount of class time missed.

### **Honors and Advanced Placement Policy**

Students may enroll in no more than three Honors or AP classes per semester at St. Francis Catholic High School. Students may petition the Assistant Principal for a waiver of this policy under special circumstances. Students must reapply each year, and may be asked to appear before a review panel.

### **Courses Taken at Other Academic Institutions**

**St. Francis High School will accept credit toward graduation from WCEA/WASC accredited High Schools under the following conditions:**

Students must consult with their Guidance Counselor and subject-area Department Chairperson prior to registration to ensure that the class is acceptable. Classes taken from other institutions may not be compatible with the St. Francis Catholic High School curriculum; students assume the risk and responsibility for these discrepancies.

The required courses for graduation in English, Theology, History and PE must be taken at St. Francis Catholic High School. Students may take additional summer school courses at other institutions in these subject areas as electives. These courses will not appear on the St. Francis Catholic High School transcript.

Community college and on-line courses are not accepted in lieu of graduation requirements or for prerequisites. These courses will not be included on the St. Francis transcript (the student will be responsible for reporting these courses to the colleges to which they apply).

Approved high school classes taken at WCEA/WASC accredited high schools other than St. Francis (excluding online courses) will be recorded on the student's transcript, and included in the GPA calculations.

High school level courses in Mathematics and Foreign Language taken prior to the summer before freshman year will be included on the transcript, but will not receive credit towards graduation and will not be included in the GPA calculations.

**Concurrent Enrollment Policy**

Concurrent enrollment is designed to provide educational opportunities at the community college and state university levels, for students who can benefit from the experience. In order to participate, a student must:

- Have parental and administrative approval.
- Request courses which constitute an expansion of her high school courses, or courses not available at the high school.
- Have a grade point average of 3.0 or better.
- The offering of the course may not conflict with St. Francis High School hours, 8:00am-3:00pm, M-F.

## ENGLISH

*The overall goal of the English program at St. Francis is effective communication, reached through close examination of literature and regular practice in written and verbal communication. The core of this four-year program is literature, on which every facet is based. Students analyze works, relying on shared inquiry methods for discussions and formal writing assignments. Writing assignments (both formal and creative), verbal skills (in both discussions and presentations) and vocabulary skills all stem from the literature studied. Grammar is taught in the context of the writing assignments. The classes contain a wide variety of genres, styles and periods of literature in order to help students develop an appreciation for the subject. Students should complete their Summer Reading prior to the first day of school.*

### **English 9 (P)**

Course ID: 305

English 9 is a literature-based class that develops the skills students need to interpret, analyze, discuss, and write about literature. Students participate in the “shared inquiry” method of literary analysis, which develops their literary interpretation skills. Seminar discussions promote clear communication and the use of textual support to answer interpretive questions. The writing component of the class develops competence in fundamental grammar, rules of usage, and basic paragraph and essay writing. UC A-G approved – b English. NCAA approved.

*Prerequisite: None*

*Level: 9*

*Credit: 10*

### **English 10: Great Books (P)**

Course ID: 315

English 10 is a literature-based class that develops the skills students need to interpret, analyze, discuss, and write about literature. Students participate in the “shared inquiry” method of literary analysis, which develops their literary interpretation skills. Seminar discussions promote clear communication and the use of textual support to answer interpretive questions. The writing component of the class develops competence in fundamental grammar, rules of usage, and basic paragraph and essay writing. UC A-G approved – b English. NCAA approved.

*Prerequisite: English 9*

*Level: 10*

*Credit: 10*

### **English 10: Honors Great Books (HP)**

Course ID: 316

Honors Great Books is a seminar-style course designed for sophomores with advanced skill levels in reading and literary interpretation. Literature selections are challenging and range from Shakespearean drama to contemporary short stories. Students engage in “shared inquiry” method of literary analysis, with emphasis on purposeful reading, open discussion of ideas, clear communication, and effective argumentation. The writing program includes analytical and interpretive essays, autobiographical papers, and creative writing, with intense work on revision skills. UC A-G approved – b English. NCAA approved.

*Prerequisite: English 9 and department approval*

*Level: 10*

*Credit: 10*

**English 11: American Literature (P)**

Course ID: 330

American Literature surveys the unfolding of our American literary heritage from its roots into twentieth century forms. Students explore fiction, poetry, drama, and non-fiction. Students are required to recognize elements particular to each genre. The goal of this course is to develop clear self-expression through writing, critical reading and writing skills, and the ability to interpret and analyze American literature. Students are challenged to generate and explore questions that rely on higher level thinking skills, such as analysis, evaluation and application to new situations. UC A-G approved – b English. NCAA approved.

*Prerequisite: English 10*

*Level: 11*

*Credit: 10*

**English 11: Honors American Literature (HP)**

Course ID: 335

Honors American Literature is designed for juniors with advanced skills in critical reading and analytical writing. Students in this course take the AP English Language Exam in May. Honors American Literature surveys the unfolding of our American Literary heritage from its Native American and African American roots into twentieth century forms. Students explore all genres of literature: fiction, poetry, drama, and non-fiction. Students read and discuss all genres, not only recognizing those elements particular to each genre, but also assessing how the genres fit into the larger American literary tradition. The course goal is to produce students who express themselves clearly in both writing and speaking and students who read and write critically, as well as interpret and analyze American Literature. The course focuses on generating and exploring questions that rely on higher level thinking skills, such as analysis, evaluation and application to new situations. UC A-G approved – b English. NCAA approved.

*Prerequisite: Eng 10 Great Books (P) and department approval*

*Level: 11*

*Credit: 10*

**English 12: Writing from Literature (P)**

Course ID: 346

This year-long course offers a thematic study of writing, focusing on the narrative perspectives, methods of expression, and techniques particular to various literary genres—non-fiction, fiction, drama, and poetry. Students will read excerpts from each literary genre, study and discuss the historical and literary influence, and create their own writing in a similar style or write an analytical essay in response to the work. Themes addressed include rites of passage, gender roles and expectations, marginalization, and recognition of self. Through class discussions and peer writing workshops, students will develop critical thinking, communication, analytical and creative writing skills. Class work will emphasize the pre-writing and revision skills necessary to develop effective expression through writing. The course aims to produce students who think critically as they interpret and analyze literature and who write creatively in a variety of genres. UC A-G approved – b English. NCAA approved.

*Prerequisite: Eng 11 Am Lit (P)*

*Level: 12*

*Credit: 10*



**English 12: Heroes and Villains**

Course ID: 347

In this year-long course, students will learn to apply the monomyth of the hero's journey based on the teachings of Joseph Campbell to the protagonists of classic and contemporary works of literature. Students explore the trials and triumphs of characters who face the challenges of personal circumstance, supernatural monsters, Christian ethics, and human morality. Various types of heroes will be encountered through the study of a wide range of literary works: Greek mythology, folk and fairy tales, epic poetry, medieval romance, Shakespearean drama, Victorian novel, modern drama, and future dystopia. In analyzing and comparing monomyths, students will be able to articulate and critique what constitutes both archetypal and modern, everyday heroism. The course challenges the students to reflect critically as well as creatively through archetypal criticism and literary analysis. Students will prepare for college-level English courses through spoken and written analysis, class seminar, in-class and take-home writing, and supplementary creative presentations and projects. UC A-G approved – b English. NCAA approved.

*Prerequisite: Eng 11 Am Lit (P)*

*Level: 12*

*Credit: 10*

**English 12: Literature & Film (P)**

Course ID: 351

Throughout this year-long course, students will analyze an assortment of written works and view a selection of films adapted from those works in order to gain a stronger understanding of the possibilities and problems involved in the process of adaptation. Rather than merely distinguishing the differences between literature and film, students will attempt to find stylistic and thematic intersections between the two media by exploring the transposition of literary elements to film and by considering the ways in which films are original works that can be "read." Through this comparative study, students will gain an appreciation of literary expression in both written and visual forms while further developing skills in writing, verbal communication, and critical thinking. Typical classroom activities will include film viewings, short writing exercises, group projects, and seminar-based literature discussions. UC A-G approved – b English. NCAA approved.

*Prerequisite: English 11: Am Lit or Honors Am Lit*

*Level: 12*

*Credit: 10*

**English 12: Philosophy In Literature**

Course ID: 353

This course seeks to understand how writers throughout the centuries have used literature as a means for intense philosophical examination of the world around them. To this end, students read drama, poetry, fiction, and non-fiction while simultaneously learning about and grappling with the essential philosophical questions that lie within each of the famous works. Students present their thoughts and arguments through seminar class discussions, written analysis, projects.

**AP English Literature & Composition (HP)**

Course ID: 355

AP Literature and Composition is offered to advanced seniors who want to experience a college-level course and are interested in taking the AP Exam in English Literature and Composition. The course involves extensive reading, writing, and discussion, and is ordered to higher level thinking skills. Literature selections favor works originally written in English, include authors from the 16th century through the 20th, and feature a wide variety of genres and styles. Writing instruction focuses on the critical analysis of literature, application of rhetorical principles, and development of stylistic maturity. All students enrolled in this course are required to take the AP English Literature and Composition exam spring semester. UC A-G approved – b English. NCAA approved.

*Prerequisite: B in Eng 11 Am Lit (P) or department approval*

*Level: 12*

*Credit: 10*

## FINE & PERFORMING ARTS

The school has a vibrant academic arts program with over twenty courses in visual and performing arts. An integral part of the school curriculum and community, our art students develop their interests with beginning through advanced classes in music, theatre, dance and visual arts.

### **Dance Courses**

#### **SF Apprentice Dance Company (P)**

Course ID: 175

This year long course satisfies the UC requirement for Fine Arts. This upper intermediate dance company increases technique and performance skills through studies in multiple dance genres. Major choreographers and dance performers are studied through written and visual materials. Students create and perform original choreography through group collaboration. Students have several performance opportunities that include the Fall Dance Concert. Students enrolled in this course may request a PE waiver for one semester. UC A-G approved – f -Visual & Performing Arts.

*Prerequisite: Audition*

*Level: 9-12*

*Credit: 10*

#### **SF Dance Company (P)**

Course ID: 180

This yearlong class fulfills the UC requirement for Fine Arts. This class enables advanced dance students to develop their understanding, appreciation, and artistic expression through dance. Students will advance their skills in ballet, lyrical, modern, tap and jazz techniques, as well as develop their own choreography. Stage presence and confidence are vital for a performer and students will work on enhancing these techniques. By working on body flexibility, strength, endurance, balance, coordination and relaxation, students will strengthen technique, projection dynamics, memorization skills and confidence. Local diocesan schools will be invited to the class for dance art enrichment programs. This company will study and prepare for the annual Fall Dance Concert. Company members will also participate in competitions and workshops during the Spring semester. Students enrolled in this course may request a PE waiver for one semester. This course may be repeated for credit. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Audition*

*Level: 9-12*

*Credit: 10*

**Show Choir**

Course ID: 161

Show Choir is an advanced choral and dance group which is open to all students 9-12 by audition only. Students will perform intermediate and advanced level popular and musical theater repertoire. Training on interpretation, vocal and dance techniques and performance will be emphasized. Required rehearsals, performances, and competitions are scheduled by the director. The course may be repeated for additional credit.

*Prerequisites: Audition and teacher recommendation. Student must have the ability to sing and dance at an intermediate level; one to two years' experience or equivalent private instruction.*

*Dress Fee: \$75*

*Level: 9-12*

*Credit: 5*

**Introduction to Show Choir**

Course ID: 163

Introduction to Show Choir is an intermediate choral and dance group which is open to all students 9-12 by audition only. Students will perform beginning to intermediate level popular and musical theater repertoire. Training on interpretation, vocal and dance techniques and performance will be emphasized. Required rehearsals and performances are scheduled by the director. The course may be repeated for additional credit.

*Prerequisites: Audition and teacher recommendation.*

*Level: 9-12*

*Credits: 5*

**Intermediate Dance Techniques**

Course ID: 176

This intermediate dance class is designed for students interested in improving their dance ability. The class will focus on ballet and modern movement in order to increase knowledge of various turns, leaps, and expand the student's overall dance vocabulary. Students will have a performance opportunity at a SFHS event.

*Prerequisite: Audition*

*Level: 9-12*

*Credit: 5*

## **Dramatic Arts Courses**

### **Theater Arts 1 (P)**

Course ID: 151

This yearlong class fulfills the UC Fine Arts requirement. Theatre Arts 1 explores the art of the actor through acting process and performance. Each student discovers what is encompassed in the history of drama and the challenges of the dramatic profession. Coursework includes assigned readings, memorization of scripts, writing and performing of short plays, and lecture notes. The Course also surveys the history of drama and theatrical development. Students experiment with and apply different acting techniques and styles appropriate to each area of study. Students critique theatrical productions, successfully applying the terminology of evaluation. Students focus on the sense of ensemble and the special qualities needed for a collaborative arts experience. UC A-G approved – f- Visual & Performing Arts.

*Prerequisite: None*

*Level: 9-12*

*Credit: 10*

### **SF Players (P)**

Course ID: 155

This advanced course focuses on dramatic presentations of fiction, drama, poetry and music performed for a variety of audiences. Public and community outreach performances are required. All class members participate in festival and special performances with additional rehearsals required as needed. All students participate in the St. Francis High School One Act Festival and the Lenaea High School Theatre Festival with original and scripted materials. This course may be repeated for credit. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Theater Arts 1 or permission of the instructor based on experience and audition*

*Level: 10-12*

*Credit: 10*

## **Musical Arts Courses**

### **Concert Choir (P)**

Course ID: 162

The Concert Choir at St. Francis focuses on the performing beginning-intermediate level literature from selected eras and styles of music. Training in interpretation, rehearsal, vocal, and performance techniques will be emphasized. In addition, the students will learn relevant music theory and history of the music performed. The required rehearsals, performances, and competitions are scheduled by the director. This yearlong class fulfills the UC requirement for Fine Arts. The course may be repeated for additional credit. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: None*

*Dress Fee \$60*

*Level: 9-12*

*Credit: 10*

**Chamber Singers (P)**

Course ID: 165

The chamber singers at St. Francis focus on performing intermediate and advanced level literature from selected eras of music. Training in interpretation, rehearsal techniques and performance will be emphasized. In addition, students will learn relevant theory and history of the music performed. Required rehearsals, performances, and competitions are scheduled by the director. This performance group represents St. Francis and the diocese in the community of Sacramento as the primary singing ensemble with many scheduled events. The course may be repeated for additional credit. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Audition and teacher recommendation. Student must have the ability to sing at an intermediate level; one to two years' experience or equivalent private instruction.*

*Dress Fee \$60*

*Level: 10-12*

*Credit: 10*

**Chamber Orchestra (P)**

Course ID: 169

This is an advanced level ensemble performing as the music representatives of St. Francis in many school events and venues. The Chamber Orchestra will train in the interpretation and the period style of many musical eras. In addition to the techniques of rehearsal and performance, the student will be graded on the ability to perform as a contributing, cooperative member, responsibly improving the level of the ensemble in every aspect. The director schedules required performances and competitions. The students will continue to study music theory with an emphasis in sight singing, ear training and basic written theory. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Audition only. Chamber Orchestra is limited to 25 members.*

*Dress Fee: \$60*

*Level: 9-12*

*Credit: 10*

**Vocal Solos**

Course ID: 181

Students enrolled in this one semester course receive one-on-one and small group instruction as a soloist and member of a small ensemble. Students are instructed in standard classical repertoire, performance technique and stylistic interpretation. In addition, students learn the history of the music performed and the relevant theory. Students are required to attend rehearsals, recitals and may choose to participate in spring semester festivals and competitions.. This course does not meet the UC Fine Arts requirement. The course may be repeated for additional credit.

*Prerequisite: Audition and/or teacher recommendation. Student must have the ability to perform vocal musical at an intermediate-advance level with two to three years' experience of participation in a group or private lessons. Course Fee: \$50*

*Level: 9-12*

*Credit: 5*

## **Visual Arts Courses**

### **Drawing 1 (P)**

Course ID: 121

This introductory semester drawing course introduces the student to the basic materials, procedures, drawing techniques, and skills used in the drawing mediums. In order to acquire these skills, students have to be aware of the beauty in everyday life and its transformation to personal artistic language. The visual art elements and principles of design will be emphasized and developed through various drawing projects. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1*

*Level: 9-12*

*Credit: 5*

### **Drawing 2 (P)**

Course ID: 123

This class, when taken with its prerequisite Drawing 1, fulfills the one year UC requirement for Fine Arts. Drawing 2 builds upon the skills learned in Drawing 1, with an emphasis on light and shadow, perspective, and drawing from a model. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: B in Drawing 1 (P)*

*Level: 10-12*

*Credit: 5*

### **Painting 1 (P)**

Course ID: 131

This semester course, when taken with Painting 2, fulfills the UC Fine Arts requirement. The course introduces students to the basic materials, procedures, painting techniques, and skills used in painting. The course is designed to develop students' observation, imagination, and creativity through artistic expression. Using the vocabulary of visual arts, students will also gain the ability to analyze and respond to various works, including their own. Through critiques, students will display the ability to aesthetically value and appreciate works of painting, as well as understand the relationship between art, culture and history. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1*

*Level: 9-12*

*Credit: 5*

### **Painting 2 (P)**

Course ID: 138

This course, when taken with its prerequisite, Painting 1, fulfills the UC requirement for Fine Arts. The class builds upon the techniques learned in Painting 1 and introduces the student to basic acrylic techniques. Students are encouraged to explore different paint media to develop their own style. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: B in Painting 1*

*Level: 10-12*

*Credit: 5*

**Figure Sculpting 1 (P)**

Course ID: 105

This semester course, when taken with Sculpture 2, fulfills the UC Fine Arts requirement. The course introduces students to the basic materials, procedures, techniques, and skills used in the creation of clay sculpture. The course is designed to develop student's observation, imagination, and creativity through artistic expression. Students will begin to build a vocabulary of visual arts and will learn the principles & elements of art as they apply to sculpture. Through critiques, students will identify and analyze the elements and principles of art evident in their own work and the work of others. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1*

*Level: 9-12*

*Credit: 5*

**Figure Sculpting 2 (P)**

Course ID: 106

This class, when taken with its prerequisite, Sculpture 1, fulfills the UC requirement for Fine Arts. This class builds upon the techniques learned in Sculpture 1 and introduces the student to more advanced techniques and processes involved in the creation of three-dimensional art. Students will refine their ability to apply the elements and principles of art in the creation of unique sculptures using clay and other mediums. Through critiques, students will display the ability to aesthetically value and appreciate works of 3 dimensional art, as well as understand the relationship between art, culture and history. Through exploration of the cultural, historical and technical aspects of sculpture, the students will access an extensive palette of sculptural styles. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Figure Sculpture 1 (P)*

*Level: 10-12*

*Credit: 5*

**Digital Photography 1 (P)**

Course ID: 140

A course emphasizing the synthesis of painting, drawing, photography and design skills in a contemporary approach to artistic production through electronic imaging, manipulation, and design. Class discussions and studio projects address a range of technical, compositional, and aesthetic issues fundamental to image making. Strong emphasis is on the development of both a technical grasp of the tools and a critical awareness of the medium through assignments and critiques, lecture, and demonstration. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1*

*Level: 10-12*

*Credit: 5*



**Digital Photography 2 (P)**

Course ID: 141

A course emphasizing the synthesis of painting, drawing, photography and design skills in a contemporary approach to artistic production through electronic imaging, manipulation, and design. Class discussions and studio projects address a range of technical, compositional, and aesthetic issues fundamental to image making. Strong emphasis is on the development of both a technical grasp of the tools and a critical awareness of the medium through assignments and critiques, lecture, and demonstration. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1 and Digital Photography 1 (P)*

*Level: 10-12*

*Credit: 5*

**Digital Film**

Course ID: 142

This Digital Film course focuses on the art of video production, video editing and the exploration of communication within the medium of film. Students will learn the history of film, develop proficiency of specialized film vocabulary, as well as analyze film and its narrative structure. Both the individual and group film projects will include story development, screenwriting, digital editing, digital audio, digital photography, and digital film production. Group projects will consist of students organized as modern movie production teams with each student participating as director, editor, producer, and camera and boom operator. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: None*

*Fees: N/A*

*Level: 11-12*

*Credit: 10*

**Advanced Studio Art (P)**

Course ID: 112

A rigorous, advanced level studio art course open to students working in two or three-dimensional art media. This class is for the serious art student who wishes to proceed to AP Studio Art. Methods of instruction include: Lecture, demonstration, guest speakers, field trips, hands on group and individual image production, and critique. Art will be examined in a historical context utilizing research, critical analysis, and studio exploration. Each student will be required to assemble a portfolio of their work at the end of the year in preparation for AP Studio Art.

*Prerequisite: Art 1 plus sections 1 & 2 of Drawing (P), Painting (P), Figure Sculpting (P), or Photography*

*Level: 10-12*

*Credit: 5*

**AP Studio Art (AP)**

Course ID: 190

This course offers the time, facilities and guidance to advanced art students in drawing, painting or sculpture who wish to invest more time into creating their individual works of art. Each student will be required to assemble a portfolio of their work at the end of the year for submission to College Board.

Note: This class is also offered after school. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Permission of instructor*

*Level: 11-12*

*Credit: 10*

**Art History/Honors Art History**

Course ID: 193/194

This Art History course is designed to provide students with an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. In the course, students examine major forms of artistic expression from the past and the present from a variety of cultures. Students will learn to look at works of art critically, with intelligence and sensitivity, and analyze what they see. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Permission of instructor*

*Level: 11-12*

*Course Fee: N/A*

*Credit: 10*

## MATHEMATICS

The study of mathematics can benefit every student at St. Francis. One benefit that is easily demonstrated and evaluated is the increase in the student's repertoire of computational skills and problem-solving abilities. Another benefit, equally important but less easily measured, is the realization on the part of the student that the problem-solving skills developed in the math class are applicable to other disciplines.

The Math department strives to promote a curriculum and classroom environment that maximizes the development of each student's mathematical abilities and enhance her appreciation of the value of a study of mathematics.

### **Algebra 1 (P)**

Course ID: 515

This course is a standard first year Algebra course. Topics covered include operations with real numbers, solving and graphing linear equations, word problems, introduction to polynomials, factoring, quadratics, and radicals. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Based on entrance test scores or math placement test.*

*Required supplies: Texas Instruments TI-84 plus graphing calculator. **NO school bus yellow calculators allowed.***

*Level: 9-10*

*Credit: 10*

### **Integrated Math 2**

Course ID: 519

Integrated Math 2 will culminate the conceptual standards of traditional Algebra 1 and Geometry courses, preparing students to matriculate into Algebra 2. The focus of Math 2 is on quadratic expressions, equations, and functions, and comparing their characteristics and behavior to those of linear and exponential relationships from Math 1. In addition, it will introduce complex numbers, explore the link between probability and data, the relationships of right triangle trigonometry, and prove basic theorems (using a variety of methods) about circles, similarity, congruence and triangles. Integrated Math 2 is comprised of standards selected from the Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability conceptual categories. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisites: Integrated Math 1 (Required)*

*Level: 9-10*

*Credit: 10*

## **Geometry (P)**

Course ID: 525

Geometry continues to review basic Algebra skills, but focuses on completing the common core standards for Geometry. Major topics include geometric proofs, properties of parallel and perpendicular lines, congruent triangles, basic properties of two- and three-dimensional figures including area and volume, similarity and proportions, basic trigonometric functions, constructions, and coordinate Geometry. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite:*

- *Incoming Freshman: Passing score on Algebra Challenge test*
- *Continuing high school students: at least a C (**second semester**) in Algebra 1 (P)*

*Required supplies: Compass, protractor, and Texas Instruments TI-84 plus graphing calculator. **NO school bus yellow calculators allowed.***

*Level: 9-12*

*Credit: 10*

## **Honors Geometry (HP)**

Course ID: 528

While the pacing is not dramatically different from the standard Geometry course, the depth of understanding and level of difficulty of problems done for homework and exams is significantly different. In addition, the student will be assigned more proofs (direct and indirect). UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite:*

- *A (second semester) in Algebra 1 (P)*
- *Incoming Freshman: Passing score on Algebra Curriculum test, and Honors test*

*Note: Honors Test and Teacher's Recommendation will be required for this course*

*Required supplies: Compass, protractor, and Texas Instruments TI-84 plus graphing calculator.*

*Level: 9-11*

*Credit: 10*

## **Algebra 2 (P)**

Course ID: 540

This course is the standard second year course in Algebra. Basic concepts are extended to include three-dimensional systems and their solutions; also developed are functions, relations, irrational and complex numbers, conics, exponential functions, log functions, and sequences and series. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: B (second semester) in Algebra 1 or approval of the Department Chair.*

*Important for Incoming Freshman: UC and CSU college systems require Geometry on a high school transcript. Students taking Geometry in the 8th grade may submit their 8th grade report card to the university when applying but the report card must state Geometry not just Math.*

*Required supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 9-12*

*Credit: 10*

### **Algebra 2A**

Course ID: 530

This course is the first year of a two-year course in Algebra 2. Students who study Algebra 2A will have a full year to gain experience in and master solving and graphing linear equations and inequalities and systems of linear equations and inequalities including those with absolute values. In addition, students will learn to simplify and solve polynomial and rational functions through various methods of factoring and division. NCAA approved.

*Prerequisite: C- (second semester) in both Algebra 1 and Geometry*

*Required supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 10-12*

*Credit: 10*

### **Algebra 2B (P)**

Course ID: 531

This course is the second year of a two-year course in Algebra 2. Students who study Algebra 2B gain knowledge and experience in solving systems of non-linear functions such as quadratic equations, conic sections, logarithms, exponential functions, and complex systems over a period of one year. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: at least C- (second semester) in Algebra 2A*

*Required Supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 10-12*

*Credit: 10*

### **Honors Algebra 2 (HP)**

Course ID: 542

While the pacing is not dramatically different from the standard Algebra 2 course, the depth of understanding and level of difficulty of problems done for homework and exams is significantly different. The student is being prepared for Honors Precalculus and AP Calculus. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite:*

- *Sophomore/Junior: A (second semester) in Algebra 1, B in Geometry (P).*
- *Note: Honors Test and Teacher's Recommendation will be required for this course*

*Required supplies: Texas Instruments TI-84 plus graphing calculator*

*Level: 10-12*

*Credit: 10*

### **Precalculus (P)**

Course ID: 550

This course is designed to help students truly understand the fundamental concepts of Algebra and Trigonometry. Algebra and Trigonometry will be used to model and solve real-life problems. A successful student will be prepared for Calculus. The course content aligns with the California State Standards for mathematical analysis, Trigonometry, and Linear Algebra. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Second semester: B in Algebra 2 or C- in Honors Algebra 2*

*Required supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 10-12*

*Credit: 10*

**Honors Precalculus (HP)**

Course ID: 555

This course is an accelerated class designed to prepare the student for Calculus. A partial listing of topics covered in this class includes analytic geometry, trigonometry, linear algebra, and probability. The course content aligns with the California State Standards for mathematical Analysis, Trigonometry, and Linear Algebra. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Second semester: A in Algebra 2 or B in Honors Algebra 2*

*Note: Honors Test and Teacher's Recommendation will be required for this course*

*Required supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 10-12*

*Credit: 10*

**Statistics (P)**

Course ID: 545

This course covers the basic principles of descriptive statistics, exploratory data analysis, design of experiments, sampling distributions and estimation, and fitting models to data. Statistical concepts are studied in order to understand related methods and their applications. Measuring the probability of an event, interpreting probability, and using probability in decision-making are central themes of this course. Examples of games of chance, business, medicine, policy-making, the natural and social sciences, and sports will be explored. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Complete Algebra 2 with a C- or better (second semester)*

*Required Supplies: Texas Instruments TI-84 plus graphing calculator*

*Level: 11-12*

*Credit: 10*

**Calculus (P)**

Course ID: 561

This course covers most of the College Board Advanced Placement Calculus AB curriculum. Emphasis is placed on understanding the basic concepts. Topics include a study of limits and continuity; the definition of a derivative and learning several applications of the derivative, including graph analysis, optimization problems, and related rates; and applying the definite integral to analyze motion problems and finding areas and volumes. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Second semester: B in Precalculus or C in Honors Precalculus*

*Required Supplies: Texas Instruments TI-84 plus graphing calculator.*

*Level: 11-12*

*Credit: 10*

**AP Calculus AB (AP)**

Course ID: 565

This course covers the entire College Board Advanced placement Calculus AB curriculum and prepares students for the AP Calculus exam given in May. These topics include a study of limits and continuity; the definition of a derivative and learning several applications of the derivative, including graph analysis, optimization problems, and related rates; and apply the definite integral to analyze motion problems and finding areas and volumes. In addition, it includes several topics not in the AB curriculum, most notably some integration techniques and volumes by shells. Students learn to solve simple differential equations. All students enrolled in this course are required to take the AP Calculus exam in the spring. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: Second semester: A in Precalculus or B in Honors Precalculus*

*Note: Honors Test and Teacher's Recommendation may be required for this course*

*Required supplies: Texas Instruments TI-84 plus graphing calculator*

*Level: 11-12*

*Credit: 10*

**AP Calculus BC (AP)**

Course ID: 566

This is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB, plus additional topics of college-level mathematics. This course prepares students to take the Calculus BC Exam. All students enrolled in this course are required to take the AP Calculus exam in the spring. UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: AP Calculus AB or an A in Calculus with teacher recommendation*

*Note: Honors Test and Teacher's Recommendation may be required for this course*

*Required supplies: Texas Instruments TI-84 plus graphing calculator*

*Level: 11-12*

*Credit: 10*

**AP Statistics (AP)**

Course ID: 546

AP Statistics is a one year course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

UC A-G approved – c Mathematics. NCAA approved.

*Prerequisite: B- Precalculus or Statistics.*

*Required Material: TI-84 calculator*

*Level: 11-12*

*Credit: 10*

**AP Computer Science Principles**

Course ID: 572

This course utilizes resources from Harvard University's popular CS50 course to meet the standards of AP CS Principles, a new computer science course created by the College Board and debuting in 2016-17. CS50 is Harvard's introduction to the intellectual enterprises of computer science and the art of programming. This course teaches students how to think algorithmically and solve problems efficiently. Topics include abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development. Languages include C, PHP, and JavaScript plus SQL, CSS, and HTML. Problem sets are inspired by real-world domains of biology, cryptography, finance, forensics, and gaming. CS50 is designed for all students with or without prior programming experience. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: Completion of Algebra 1 or equivalent*

*Level: 10-12*

*Credits: 10*

**AP Computer Science A (AP)**

Course ID: 571

AP Computer Science is a full-year introductory course in computer science, comparable to a first-semester college course. Students will learn to design and implement solutions to problems by writing, running, and debugging computer programs in the Java programming language. Students will learn to code fluently in an object-oriented programming language, to use and develop common algorithms and data structures, to read and understand programs developed by others, and to recognize the ethical and social implications of computer use. Students will be prepared and required to take the AP Computer Science A exam. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: A- or better in Algebra 2, B or better in Honors Algebra 2, and/or a B or better in Pre-calculus (all grades are from second semester). Students who do not meet these requirements may apply by submitting a petition form.*

*Level: 10-12*

*Credit: 10*



## **Computer Programming with C – C-STEM**

Course ID: 573

This course is being offered in partnership with UC Davis's C-STEM Center. Computer Programming with C provides students with the fundamental knowledge of computer programming for solving applied problems in C. Students learn how a computer works and structured programming in C for software development. The topics include programming constructs, data types and declaration of variables, expressions and operators, selection statements, repetition, flowcharts for algorithm development, functions for modular programming, arrays for statistical data analysis, plotting for visualizing data (using scatter plot, dot plot, bar graph, histogram, Box-and-Whisker plot, etc.), linear regression and curve fitting, pointers and dynamic memory allocation, processing data files, animation, robotics applications, and applications in math and science. The emphasis of the course is to introduce the students to software development concepts.

This course also focuses on algorithm development and computer programming for solving applied problems in science, technology, engineering and math (STEM), such as solving problems in Algebra and robotics. Considerable attention is devoted to program design, task decomposition, testing, debugging, and software reuse. Students write computer programs with graphical plotting in an integrated development environment. Through problem-based projects, students develop critical thinking, problem solving, computational thinking, effective communication, and teamwork skills. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: Completion of Algebra 1 or equivalent.*

*Level: 9-12*

*Credits: 10*

## **MODERN & CLASSICAL LANGUAGES**

Studying a second language provides the cognitive and intellectual preparation necessary to succeed in the academic and social environment the St. Francis graduate will encounter. Learning a second language allows her to gain an understanding of languages other than English, as well as of the peoples who communicate in French, Italian, Latin and Spanish and their cultural products.

Faculty members teaching in the Modern and Classical Languages Department are native speakers and/or have lived extensively in countries where the language is spoken. Although the graduation requirement for St. Francis is two years, most students complete 3 or 4 years of one language and many take more than one language concurrently.

### **French 1 (P)**

Course ID: 410

This First year communicative-based course introduces the beginning student to the four basic language skills of listening, speaking, reading, and writing. Students learn the geography, customs, and culture of the language studied through reading, dialogues, and other communicative activities. There is a strong emphasis on pronunciation, parts of speech, and basic sentence structure. The student gains mastery of the grammar structure necessary to carry out basic communicative tasks. A contextual setting is provided to enhance understanding and to allow for successful communication. Vocabulary building is stressed while oral and listening comprehension is developed. Reading comprehension is elicited through reading of short stories and passages that integrate the culture and everyday life of native speakers. The student's writing progresses from simple but clear sentences to meaningful dialogues and then to basic paragraphs about the individual student and her immediate world. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: Proficiency in English grammar*

*Level: 9-12*

*Credit: 10*

### **French 2 (P)**

Course ID: 411

The second year of language study maintains a communicative-based approach. This course offers a strong emphasis on grammatical structures and is designed to further the student's abilities to speak and understand the target language in a situational context. The student advances in her ability to interpret and produce the written language while acquiring an understanding of the culture and environment of native speakers. This course aims to develop a Novice High Level of language proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: C in French 1 (P)*

*Level: 9-12*

*Credit: 10*

### **French 3 (P)**

Course ID: 412

The third year courses aim to increase the student's ability to communicate in the target language through expanding her vocabulary and her mastery of advanced grammar structures. Written and oral assignments based on contemporary and classic literary pieces advance the usage of all tenses and permit extensive review of grammar concepts. The student learns more about the cultures and environment of the native speaking world through class discussions, foreign videos, reading, and researching authentic contemporary publications. Students at this level should be prepared to be in a "total immersion" environment. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B or better in French 2 (P)*

*Level: 10-12*

*Credit: 10*

### **Hon French 3 (HP)**

Course ID: 413

This course is an accelerated, in-depth third level language program of study intended for the motivated language student. It is the recommended class for students who plan to enroll in French IV AP. The course aims to increase the student's ability to communicate in the language through extensive vocabulary building and mastery of advanced grammar structures. Grammar concepts are reviewed in the context of contemporary and classic literary pieces and written and oral assignments advance the usage of all tenses. The student learns more about the native-speaking world in class discussions, foreign films' evaluation, and by reading and researching contemporary publications. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: A in French 2 (P)*

*Level: 10-12*

*Credit: 10*

### **French 4 (P)**

Course ID: 414

French IV is an advanced level course designed for the motivated student who wishes to complete four years of a foreign language. This courses aims to develop an Intermediate Low to Intermediate Mid level of language proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. Students read and study various literary genre. Discussions of literary pieces and foreign films as well as conversations about current events promote facility in speaking. There is a strong emphasis in writing. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in French 3 (P)*

*Level: 11-12*

*Credit: 10*

**AP French 4 (AP)**

Course ID: 415

This course, conducted in the language, includes a thorough grammar review as well as the study of literary works and films. French IV AP is an advanced level course designed to challenge the highly motivated student in the study of the language and in aspects of its literature, its films, and its culture. This course is intended for the student who wishes to continue studying the language at the university level, these courses aim to develop a Medium to High Intermediate Level of proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. Competence in speaking is promoted by discussions about the literary pieces read and the films viewed. Strong emphasis is placed on narrative, analytical, and persuasive writing. This course prepares the student for the Advanced Placement Examination. All students enrolled in this course are required to take the AP French exam at the end of the year. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B+ in Honors French 3 or A in French 3 and teacher recommendation*

*Level: 11-12*

*Credit: 10*

**Italian 1 (P)**

Course ID: 431

This is a first year communicative-based course that introduces the beginning student to the four basic language skills of listening, speaking, reading, and writing. Students learn the geography, customs, and culture of the language studied through reading, dialogues, and other communicative activities. There is a strong emphasis on pronunciation, parts of speech, and basic sentence structure. The student gains mastery of the grammar structure necessary to carry out basic communicative tasks. A contextual setting is provided to enhance understanding and to allow for successful communication. Vocabulary building is stressed while oral and listening comprehension is developed. Reading comprehension is elicited through reading of short stories and passages that integrate the culture and everyday life of native speakers. The student's writing progresses from simple but clear sentences to meaningful dialogues and then to basic paragraphs about the individual student and her immediate world. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: Proficiency in English grammar*

*Level: 9-12*

*Credit: 10*

**Italian 2 (P)**

Course ID: 432

The second year of language study maintains a communicative-based approach. This course offers a strong emphasis on grammatical structures and is designed to further the student's abilities to speak and understand the target language in a situational context. The student advances in her ability to interpret and produce the written language while acquiring an understanding of the culture and environment of native speakers. These courses aim to develop a Novice High Level of language proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: C or better in Italian 1 (P)*

*Level: 9-12*

*Credit: 10*

**Italian 3 (P)**

Course ID: 433

The third year courses aim to increase the student's ability to communicate in the target language through expanding her vocabulary and her mastery of advanced grammar structures. Written and oral assignments based on contemporary and classic literary pieces advance the usage of all tenses and permit extensive review of grammar concepts. The student learns more about the cultures and environment of the native speaking world through class discussions, foreign videos, reading, and researching authentic contemporary publications. Students at this level should be prepared to be in a "total immersion" environment. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Italian 2 (P)*

*Level: 10-12*

*Credit: 10*

**Hon Italian 4 (HP)**

Course ID: 434

This total immersion course is an intense review of Italian. This course is an advanced level course designed to challenge the highly motivated student in the study of the Italian language and aspects of its literature and culture. It is designed especially for the student who wishes to continue the study of Italian at the university level. This course aims to develop a medium to high range of competency in all areas of the language: speaking, listening, reading, and writing. Conversations and discussions promote facility in speaking. Students read, study, and discuss various literary genres from the Middle Ages/renaissance era through the post WWII period. Strong emphasis is placed on writing at a more intensive level (than level three.) The textbook is used for an in-depth grammatical review and to ensure grammatical accuracy. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Italian 3 (P)*

*Level: 11-12*

*Credit: 10*

**Spanish 1 (P)**

Course ID: 451

This first year languages communicative-based course introduces the beginning student to the four basic language skills of listening, speaking, reading, and writing. Students learn the geography, customs, and culture of the language studied through reading, dialogues, and other communicative activities. There is a strong emphasis on pronunciation, parts of speech, and basic sentence structure. The student gains mastery of the grammar structure necessary to carry out basic communicative tasks. A contextual setting is provided to enhance understanding and to allow for successful communication. Vocabulary building is stressed while oral and listening comprehension is developed. Reading comprehension is elicited through reading of short stories and passages that integrate the culture and everyday life of native speakers. The student's writing progresses from simple but clear sentences to meaningful dialogues and then to basic paragraphs about the individual student and her immediate world. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: Proficiency in English grammar*

*Level: 9-12*

*Credit: 10*

**Spanish 2 (P)**

Course ID: 452

The second year of language study maintains a communicative-based approach. This course offers a strong emphasis on grammatical structures and is designed to further the student's abilities to speak and understand the target language in a situational context. The student advances in her ability to interpret and produce the written language while acquiring an understanding of the culture and environment of native speakers. These courses aim to develop a Novice High Level of language proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: C in Spanish 1 (P)*

*Level: 9-12*

*Credit: 10*

**Spanish 3 (P)**

Course ID: 453

The third year courses aim to increase the student's ability to communicate in the target language through expanding her vocabulary and her mastery of advanced grammar structures. Written and oral assignments based on contemporary and classic literary pieces advance the usage of all tenses and permit extensive review of grammar concepts. The student learns more about the cultures and environment of the native speaking world through class discussions, foreign videos, reading, and researching authentic contemporary publications. Students at this level should be prepared to be in a "total immersion" environment. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Spanish 2 (P)*

*Level: 10-12*

*Credit: 10*

**Hon Spanish 3 (HP)**

Course ID: 454

This course is an accelerated, in-depth third level language program of study intended for the motivated language student. It is the recommended course for any student who plans to enroll in Spanish IV AP. The course aims to increase the student's ability to communicate in the language through extensive vocabulary building and mastery of advanced grammar structures. Grammar concepts are reviewed in the context of contemporary and classic literary pieces. Written and oral assignments advance the usage of all tenses. The student learns more about the native-speaking world in class discussions, foreign films' evaluation and by reading and researching contemporary publications. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: A in Spanish 2 (P)*

*Level: 10-12*

*Credit: 10*

**Spanish 4 (P)**

Course ID: 455

Spanish IV is an advanced level courses designed for the motivated student who wishes to complete four years of a foreign language. This courses aims to develop an Intermediate Low to Intermediate Mid level of language proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. Students read and study various literary genre. Discussions of literary pieces and foreign films as well as conversations about current events promote facility in speaking. There is a strong emphasis in writing. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Spanish 3 (P)*

*Level: 10-12*

*Credit: 10*

**AP Spanish 4 (AP)**

Course ID: 456

This course, conducted in the language, includes a thorough grammar review as well as the study of literary works and films. Spanish IV AP is an advanced level course designed to challenge the highly motivated student in the study of the language and in aspects of its literature, its films, and its culture. Intended for the student who wishes to continue studying the language at the university level, this course aims to develop a Medium to High Intermediate Level of proficiency (in accordance with ACTFL – American Council of Teaching of Foreign Languages) in all areas of the language: speaking, listening, reading, and writing. Competence in speaking is promoted by discussions about the literary pieces read and the films viewed. Strong emphasis is placed on narrative, analytical, and persuasive writing. Students enrolled in the course are required to take the AP Exam in the spring. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B+ in Honors 3 or A in Spanish 3*

*Level: 11-12*

*Credit: 10*

**AP Spanish Lit (AP)**

Course ID: 457

The AP Spanish Literature course is comparable to a third-year college Introduction to Hispanic Literature course. Students will learn to develop a high degree of competence in language skills and in the interpretation of literature. Students are required to read, analyze and discuss in writing a wide variety of representative works from three major genres: narrative, poetry, and drama, using the appropriate terminology and applying the different tools of literary criticism. Students will do a close reading of all fifty-three required readings in preparation for the AP Spanish Literature Exam. All students enrolled in this course are required to take the AP Spanish Literature exam at the end of the year. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: Completion of AP Spanish 4 with a grade of B or higher; completion of Spanish 4 with a grade of A or higher, and teacher recommendation.*

*Level: 10-12*

*Credit: 10*

**Latin 1 (P)**

Course ID: 441

The course endeavors to develop a coherent and clear understanding of the overall structure of the Latin language and incorporates elements of Latin grammar, vocabulary building and mastery of basic translation skills. It includes elements of early Roman civilization, culture, and history. Through the study of English derivatives and a thorough comparison of English and Latin grammatical concepts, the student strengthens her knowledge of English grammar, syntax, and vocabulary. The student learns noun declensions and verb conjugations and becomes skilled at translating and analyzing sentences that incorporate all parts of speech. This course is also appropriate for the student who wishes to improve her English language skills. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: Proficiency in English grammar*

*Level: 9-12*

*Credit: 10*

**Latin 2 (P)**

Course ID: 442

The Latin 2 course completes the coverage of Latin grammar; syntax and vocabulary initiated in Latin I and introduces the student to Caesar's Commentaries on the Gallic Wars. A comprehensive study of Latin grammar includes the subjunctive, sequence of tenses, deponent and irregular verbs, participles and case usage as well as a more intensive study of English derivatives. This course includes additional advanced translations and a greater in-depth study of Roman civilization and mythology focusing on the characteristics of first century B.C. and the Rome of Julius Caesar. Literary works studied include the work of Roman poets Virgil and Ovid and their use of dactylic hexameter poetic style. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: C in Latin 1 (P)*

*Level: 9-12*

*Credit: 10*

**Latin 3 (P): Cicero**

Course ID: 443

The Latin III program includes an in-depth study of Latin syntax through comparing and contrasting advanced Latin and English grammatical constructions and mastery of complex English to Latin and Latin to English translations. The course content has a strong emphasis on Cicero's style, his Orations, and the influence of Roman Governmental structures on governmental institutions in the United States of America. The student reads and discusses Cicero's Philosophies and Letters, learns Cicero's thirty-two (32) oratory styles, and creates her own sentences applying the studied oratory styles. Other early Roman authors studied are: Ennis, Plautus, Terence, Cato The Elder, Lucretius, and Catullus. The course also includes translation and discussion of Aesop's work and review of works by later Latin authors. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Latin 2 (P)*

*Level: 10-12*

*Credit: 10*



**Hon Latin 4 (P): Virgil**

Course ID: 445

Honors Latin 4 is designed to promote the students' proficiency in advanced translation skills and their mastery of complex Latin syntax. The students learn poetic style, history, and mythology through the concentrated reading and translation of sections of Vergil's Aeneid and reading in English of the rest of the work. They discuss the Aeneid's literary style and the use of epic influence in the dactylic hexameter poem. Through the study of the Aeneid, the students delve into the historical background of the first century B.C. and what the work tells us about Roman religion, mores and national identity. UC A-G approved – e Language Other than English. NCAA approved.

*Prerequisite: B in Latin 3 (P): Cicero and teacher recommendation.*

*Level: 11-12*

*Credit: 10*

## PHYSICAL EDUCATION & SPORTS

The Physical Education Department strives to enrich the mental, physical and the moral development of all students by promoting spiritual, creative, and healthy lifestyles through high quality programs. The department identifies the components of successful health-related physical education and implements these into all classes. Through the practice of dance, weight training, recreational fitness, yoga and other physical activities students improve their physical coordination, body alignment, awareness, agility, balance and strength.

In addition, the breathing, meditation, and instruction on healthy nutritional and life-style choices assist students in dealing with the stresses associated with adolescence. Teachers emphasize participation in developmentally appropriate and enjoyable physical activities while providing students with the skills to assess their progress.

### **Health**

Course ID: 634

Health is a one semester required course for graduation. The course focuses on helping students understand and develop healthy behaviors. The student will assess her current lifestyle choices and set personal goals aimed at improving her quality of life. Students learn to identify teenage health risks, and investigate women's health issues and health related careers. In addition, the student will research health risks created by poverty, domestic violence, child abuse and war.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

### **Recreational Fitness**

Course ID: 612

The course will offer an extensive array of recreational sport activities that will develop skill, interest and appreciation for the need of lifelong learning, activity and recreation. The goal of this class is to provide experiences that give release from emotional strain and tension by allowing students to experience competitive and noncompetitive activities through team and individual activities. The course will incorporate background information about the games and activities, equipment use, sequence of skills, drills, game strategies, rules, safety, health benefits and assessments. The recreational games will include but are not limited to the following: Basketball, Volleyball, Indoor Soccer, Badminton, Floor Hockey, Pickle Ball, Capture the Flag, Wiffle Softball and Frisbee Disk Golf.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

## **Yoga**

Course ID: 619

This course will introduce the student to the Hatha form of yoga. Students will learn the importance of correct alignment at all times. All the poses can be modified, depending on the student's abilities and flexibility. Students who have previous experience will be challenged with intermediate and advanced levels of combinations. However, yoga postures are more than physical poses; they work on the mind, and spirit, and promote increased awareness, vitality and inner peace.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

## **Cardio & Weight Training**

Course ID: 611

Cardio & Weight Training surveys movement, skills and knowledge of body mechanics through achieving and maintaining a health-embracing level of physical fitness. The course focuses on the components of physical fitness (strength, flexibility endurance, balance, coordination and relaxation), the benefits of exercise and good nutrition, and the proper uses of the different fitness machines and apparatuses in the fitness center. Instruction in proper conditioning technique will also be included in the course. The goal of the class is to enable the student to design her personal fitness program.

*Prerequisite: None*

*Level: 10-12*

*Credit: 5*

## **Dance Styles**

Course ID: 621

This beginning dance course introduces the student to a variety of modern dance genres, including jazz, modern, hip-hop, funk, and character. Students in this class will develop their knowledge of dance techniques while improving their body flexibility, strength, endurance, balance, coordination and relaxation. The dance course encourages students to collaboratively create choreography. This class may be repeated for PE credit.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

## **Intermediate Dance Techniques**

Course ID: 176

This intermediate dance class is designed for students interested in improving their dance ability. The class will focus on ballet and modern movement in order to increase knowledge of various turns, leaps, and expand the student's overall dance vocabulary. Students will have a performance opportunity at a SFHS event.

*Prerequisite: Audition*

*Level: 9-12*

*Credit: 5*

**Hula: Na Wahine 'O 'Olu (The Women of Grace)**

Course ID: 661

This year-long course enables students to learn basic Hawaiian language, Polynesian dance, and history. Through hula basics and choreography, the students will learn discipline, grace, teamwork, and commitment to reach each dancer's full potential in hula. Students learn techniques to dance hula gracefully through hand gestures, body movement and facial expression in addition to learning basic Hawaiian language and Hawaiian history. This class performs in many of the school events as well as some outside events. [View Nā Wāhine O 'Olu Hula performance dates here.](#)

*Prerequisite: By audition only*

*Level: 9-12*

*Credit: 5*

**Basketball (Cut)**

Course ID: 654

This winter/spring semester course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

*Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.*

*Level: 9-12*

*Credit: 5*

**Cross-Country (non-cut)**

Course ID: 652

This Fall course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

**Dive Team (Cut)**

Course ID: 692

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

*Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.*

*Level: 9-12*

*Credit: 5*

**Golf (Cut)**

Course ID: 649

The fall course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

**Lacrosse (Cut)**

Course ID: 659

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

**Soccer (Cut)**

Course ID: 655

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

**Softball (Cut)**

Course ID: 656

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

**Swimming (non-cut)**

Course ID: 657

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: None

*Level: 9-12*

*Credit: 5*

**Tennis (Cut)**

Course ID: 653

This fall course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

**Track & Field (non-cut)**

Course ID: 658

This spring course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: None

*Level: 9-12*

*Credit: 5*

### **Volleyball (Cut)**

Course ID: 651

This Fall course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

Prerequisite: Must have been on the SF team last year, for the entire season or have documentation of being on another team last year (i.e., City League). Students with no prior experience may try out, and if accepted the course will be added to your schedule.

*Level: 9-12*

*Credit: 5*

### **Water Polo (Cut -Varsity only)**

Course ID: 650

This Fall course allows a student who plays on a St. Francis High School sports team to fulfill a semester of her P.E. requirement. Any student trying out for the first time in a cut sport should register for a P.E. class until she is officially accepted on the team. A St. Francis Sports Physical must be on file in the Athletic Director's office (each year) before tryouts begin. Failure to fulfill the team requirements will result in NO CREDIT for the semester of P.E.

*Level: 9-12*

*Credit: 5*

### **PE Waiver-Non SFHS Team**

Course ID: 606

Students who have been active and competitive for at least a year in a sport not offered at St. Francis High School may be eligible for a PE waiver. Students must provide appropriate documentation to be considered for approval. The Non SF Sport PE Waiver application can be downloaded below. Coaches are required to sign the application and attach a letter of recommendation and competition calendar. Students who are not approved will be assigned to a P. E. class. This is a zero credit course. Students enrolled in this course are exempt from one semester of P.E. and their graduation requirement for that semester is fulfilled.

**All P.E. waivers must be submitted within the first two weeks of the the school year.** No late waivers will be considered.

*Prerequisite: None*

*Level: 9-12*

*Credit: 0*

## SCIENCE

The SFHS Science Department promotes an understanding of the basic principles of science. After four years, the student will have an understanding of the basic order in nature and have an appreciation of the laws of the universe. Science courses are designed to meet the state standards and UC requirements.

Courses starting with the freshman year are developed in a sequential fashion to encourage upper level courses in the future.

### **Integrated Science (P)**

Course ID: 710

Integrated Science is a survey course that engages students in scientific inquiry while developing their natural curiosity about the world around them. Students participate in discussion, projects, and lab investigations. The curriculum of this course is designed to provide students with a solid foundation for future lab sciences. The class devotes one academic quarter to each of the four sciences: physics, earth science, biology, and chemistry. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: None*

*Level: 9*

*Credit: 10*

### **Biology (P)**

Course ID: 720

Biology is a laboratory science course that focuses on the study of life. The course begins with an inquiry into the chemistry of life and proceeds to an examination of the fundamental concepts of cellular biology, including in-depth study of cellular structure and function. Biology students study photosynthesis, cellular respiration, cell growth and division, the fundamentals of DNA and RNA, genetics, and the anatomy and physiology of the human reproductive systems. The Biology course introduces students to bacteria, viruses, fungi, animals, and plants, focusing on their cellular similarities and differences. Scientific thinking, analysis, and laboratory skills are emphasized along with Biology's connections to other scientific disciplines. Students practice scientific writing skills and learn to think deeply in order to apply what they have learned during laboratory activities. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: Incoming freshmen with Science Department Approval; Sophomores who have completed Integrated Science*

*Level: 9-10*

*Credit: 10*



**Honors Biology (P)**

Course ID: 721

This course is designed to teach the student the fundamental principles of Biology and to prepare her to succeed in future biologically based courses on the high school and college level. The curriculum is covered in greater depth and at a more accelerated pace than Biology. Honors Biology engages the student with demonstrations, laboratory exercises, case studies, debates, microscopy, and dissections as they discover Chemistry, Biochemistry, Cytology, Molecular Biology, Genetics, and Anatomy and Physiology. The course aims to teach students the necessary laboratory skills needed for success in science courses, such as observation, analysis of data, microscopy, and dissection. Critical thinking and communication are an integral part of this course. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: Incoming freshmen with Science Department Approval.*

*Level: 9*

*Credit: 10*

**Chemistry (P)**

Course ID: 730

This course is designed to teach the fundamental principles of chemistry and to prepare students for physical science classes on the high school and university level. The class stresses basic problem solving techniques and understanding the major theories in chemistry through written and laboratory work. Since chemistry is an experimental science, time equivalent to one period a week is spent in the laboratory. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: Biology or Honors Biology; Algebra 1*

*Co-Requisite: Geometry or Algebra 2*

*Level: 10, 11, 12*

*Credit: 10*

**Honors Chemistry (HP)**

Course ID: 735

This course is designed to teach the highly motivated student fundamentals of Chemistry and to prepare her to succeed in further physical science classes at the high school and university level. The class stresses basic problem solving techniques and understanding of the major theories in Chemistry through written and laboratory work. Concepts will be studied in greater depth and at a faster pace than in the regular Chemistry class. More advanced mathematical skills will be required. Since Chemistry is an experimental science, time equivalent to one class per week is spent in the laboratory. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: Biology or Honors Biology and Department approval. Student must have completed Algebra 2 or be co-enrolled in Algebra 2.*

*Co-requisite: Algebra 2*

*Level: 10, 11*

*Credit: 10*

**Physics (P)**

Course ID: 750

The central theme of this UC approved lab science course is the inter-relationship between matter and energy. Students will develop an understanding of the basic concepts of physics and how they relate to our everyday world. Activities and projects will drive the learning of physics concepts. The time equivalent to one period per week or more is spent in the laboratory. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: C or better in Algebra 2 and Geometry*

*Level: 10-12*

*Credit: 10*

**Honors Physics (HP)**

Course ID: 751

The central theme of Honors Physics is the inter-relationship between matter and energy. Students will develop an understanding of the basic concepts of physics and how they relate to our natural world. This course also stresses the skills necessary to set up logical solutions to more complex problems, which are developed as combinations of fundamental concepts. Laboratory work and problem solving will be key to the understanding of everyday experiences. Concepts are reinforced through homework, special projects, demonstrations, small group and class discussions, and guest speakers. The time equivalent to one period per week is spent in the laboratory. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: B or better in Algebra 2, A- or better in Geometry OR a B or better in Precalculus.*

*Level: 10-12*

*Credit: 10*

**AP Biology (AP)**

Course ID: 760

This course is equivalent to a college biology course for biology majors. The course follows the curriculum set by the national Educational Testing Service. Topics covered include molecules, cells, genetics, evolution, organisms, and populations. Extensive laboratory work will be performed. This is designed for the student who plans to pursue science in college or for the student who wishes to complete a college science requirement while in high school. All students enrolled in this course are required to take the AP Biology exam at the end of the year. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: A in Honors Biology or Biology; B in Honors Chemistry or Chemistry; Science Department Approval*

*Level: 11, 12*

*Credit: 10*

**AP Chemistry (AP)**

Course ID: 736

AP Chemistry is a course that covers the same concepts as the Honors Chemistry course; however, the subject matter is covered in much greater depth, and requires a much higher level of critical thinking and analysis skills. Topics covered in the class include atomic theory and atomic structure, chemical bonding, states of matter, solutions, reaction types, stoichiometry, equilibrium, kinetics, and thermodynamics. There is a much stronger emphasis on chemical calculations and the mathematical formulation of chemical principles. The course is based on the national Advanced Placement Curriculum in Chemistry. All students enrolled in this course are required to take the AP Chemistry exam at the end of the year. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: A in Honors Chemistry or Chemistry; A in Algebra 2; Must have instructor permission*

*Level: 11, 12*

*Credit: 10*

**Biology II (P)**

Course ID: 724

This is a college preparatory course that provides students with the concepts, principles, and methodologies necessary to understand some of the interrelationships that occur in the natural world. The first semester investigates topics in Ecology: the biosphere, species' adaptations, natural selection, climate, weather, biomes, and fire ecology. We explore population ecology—how populations grow, how they are controlled, cycles in population growth. We look at the human population—its growth, trends and predictions, and analyze ecological footprints. We learn about communities and ecosystems—their structure, interactions, food webs, disturbances, and nutrient cycles. The second semester encompasses topics in Environmental Science. We include solid waste, fossil fuels, renewable energy, climate change, water resources and sustainable development. Class time consists of lectures and developing scientific investigation and thinking skills through experimental data collection, data analysis and research, and observations. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: Integrated Science and/or Biology*

*Level: 10-12*

*Credit: 10*

**Anatomy & Physiology (P)**

Course ID: 740

Anatomy and Physiology is a rigorous UC approved lab science course designed for the student interested in continuing studies of the life sciences. Students will receive the foundation necessary to pursue areas of medicine and other health-related fields when they enter college. This course is an intense exploration of body systems that includes many laboratory investigations. There are three mandatory dissections in this course: sheep brain, sheep heart, and a comprehensive three week exploration of a cat. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: B or better in Biology and Chemistry*

*Level: 11, 12*

*Credit: 10*

**Biotechnology (P)**

Course ID: 745

Biotechnology is a field of applied biology that involves the use of living organisms and bioprocesses in medicine, forensics, agriculture, and many other fields. Biotechnology has been called “The Science of the New Millennium”. This is a rigorous course which begins with a comprehensive overview of the key

concepts in molecular biology. Topics to be covered include nucleic acid structure and function, DNA replication, transcription, translation, chromosome structure, and regulation of gene expression in prokaryotes and eukaryotes. The course focuses on the use of this knowledge in biotechnological methods, such as, recombinant DNA technology, restriction enzyme digest, creating genetically modified organisms, gene transfer, gene therapy, PCR and DNA fingerprinting, microarray technology, ELISA testing, and more. The class will also discuss bioethics and how controversial issues are addressed using a Catholic worldview. State-of-the-art equipment and materials are available for students as they learn and apply the basic molecular biology methods used in the field of biotechnology. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: B or better in Biology ; C or better in Chemistry*

*Level: 11, 12, (10th with Science Department approval)*

*Credit: 10*

### **Applied Chemistry & Technology**

Course ID: 761

This is an upper division chemistry course designed to further student's understanding of the concepts covered in her first year chemistry course, introduce additional topics generally encountered in a college chemistry course, and require students to apply her understanding of the material to culturally relevant topics and real-world problems in the areas of medicinal chemistry, environmental chemistry, consumer chemistry, and forensics. There will be a strong emphasis on the study of technological advances in chemistry, such as nanotechnology and alternative fuels, the use of technology in labs and the acquisition and analysis of data, and the emerging field of Green Chemistry. In addition, students will gain experience in chemical engineering principles and methods through labs and other activities. Topics covered in the class include atomic theory and atomic structure, chemical bonding, nuclear chemistry, states of matter, solutions, reaction types, stoichiometry, equilibrium, kinetics, and thermodynamics. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisites: B- or better in Chemistry or Honors Chemistry, completion of or concurrent enrollment in Algebra 2 or Algebra 2B*

*Level: 11, 12*

*Credit: 10*

## SOCIAL STUDIES

The Social Studies Department of St. Francis High School believes that an understanding of the human condition in the past and throughout the world today is the best preparation for concerned, responsible, and active citizenship in a society of rapid change and high technology. Through the examination of other cultures, historical time periods, the changing role of government, and economic development, students understand the importance of past events in relationship to future decisions.

We believe that strong Christian values will help our students evaluate issues on the local, national and international levels. We urge students to foster a critical sense of what is permanent and meaningful, and reject superficial and transient values, through participating in the political process, government forums and volunteer service within their community. We promote sympathy, justice, and peace in all human relations so that our students will act from a basis of love and conviction to make our world a better place to live.

### **Historical Geography (P)**

Course ID: 812

The one semester course of Historical Geography is designed to introduce students to the five themes of geography (Location, Place, Movement, Human – Environment Interaction, and Regions) in order to examine human socioeconomic organization through a historical perspective. Geography and its interrelationships are viewed through the historical perspectives of Ancient Greece and Rome, Ancient China, Ancient India, the Rise of Islam, African Civilizations, and Pre-Columbian Civilizations to give students a sophisticated view of the world and an understanding of human life. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: None*

*Level: 9*

*Credit: 5*

### **World History (P)**

Course ID: 820

World History is a College Preparatory Course for sophomores, which acts as a continuation of the narrative of historical geography begun in the Freshman year social studies course. World History continues to examine the effect of geography on the modern world, from the late eighteenth century through the present. Students trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Major themes throughout the year-long course include: the Age of Exploration, the rise of democratic ideas, the Industrial Revolution, Imperialism, World War I and its consequences, Totalitarianism with an emphasis on Nazi Germany and Stalinist Russia, the causes and consequences of World War II, the Cold War, and the post-colonial contemporary world with a focus on the rise of nationalism and terrorism. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students analyze primary and secondary sources in order to consider multiple accounts of events and understand international relations from a variety of perspectives. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: World Geography (P)*

*Level: 10*

*Credit: 10*

**AP World History (AP)**

Course ID: 822

AP World History is offered to advanced sophomores who want to experience a college-level course and will be taking the AP Exam in World History. The course develops a deeper understanding of the interaction between various human societies and the evolution of global processes and contacts. This understanding develops through both analytical skills and factual knowledge. The course involves comparing and contrasting noteworthy societies, and learning the causes and consequences of transitions in societal foundations. An emphasis on knowledge of content, coupled with the interpretation of major issues and the examination of significant historical evidence is central to the course. Precedents based on culture, institutions and technology, plus geography set the stage for human analysis. Specific time periods and themes provide an organizational framework to handle change and provide continuity for a scholarly examination of the course. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: World Geography (P) and department approval*

*Level: 10*

*Credit: 10*

**US History (P)**

Course ID: 830

U.S. History is a full year survey course beginning with an overview of early American history through the Reconstruction era. Students engage with the social, economic, and political history of the U.S. by examining major turning points in American history including industrialization, reform, imperialism, World War I, Depression and New Deal, World War II, Cold War, Civil Rights, Watergate, and more recent contemporary issues. During the year the following themes are emphasized: the expanding role of the federal government and the courts, the continuing tension between the individual and the state, the ongoing conflict between minority rights and majority power, the impact of technology on American society, the movements toward equal rights for racial minorities and women, and the growth of the United States as a world power. This course also builds the skills necessary for students to investigate, analyze, interpret, and evaluate historical materials in order to create original research projects and oral presentations. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: World History (P) or World History (AP)*

*Level: 11*

*Credit: 10*

**AP US History (AP)**

Course ID: 855

Advanced placement United States History is a chronological survey course covering the period from the late 19th century to contemporary America (2000). The Advanced Placement program in United States History is designed to provide students the analytical skills and factual knowledge to deal critically with the problems and issues in United States History. Students will learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship. Students will be prepared to take the AP U.S. History exam offered by the College Board. All students enrolled in this course are required to take the AP US History exam at the end of the year. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: Honors US History (HP) and Department Approval*

*Level: 11*

*Credit: 10*

**Civics (P)**

Course ID: 840

In this course, students pursue a deeper understanding of the institutions of American government and politics. Students compare systems of government in the world today and analyze the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. Students will also analyze influences on the policy making process from outside of the government through the study of the beliefs and behaviors of citizens and the mechanisms that allow citizens to organize as well as communicate their interests. An emphasis is placed on analyzing the relationship among federal, state, and local governments, with particular attention paid to important historical documents. These standards represent the culmination of civic literacy as students prepare to vote, participate in community activities, and assume the responsibilities of citizenship. Students will get an opportunity to see the functioning of political campaigns, local government, and the court system first hand through participation and observation. UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: US History (P)*

*Level: 12*

*Credit: 5*

**Economics (P)**

Course ID: 845

Economics is a unique upper-division social science elective which enables students to use economic concepts in a reasoned, careful manner dealing with personal, community, and national economic issues. This course involves both theoretical and practical approaches to the ideas of scarcity and exchange, and includes a study of the tools of analysis such as charts and graphs. Along with a survey of microeconomic and macroeconomic principles, students will have the opportunity to investigate current economic issues and analyze how these issues relate to the concepts studied in class. This course integrates good citizenship with the understanding of economics, and thus serves as an excellent elective paired with Civics in the senior year. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: U.S. History (P)*

*Level: 12*

*Credit: 5*

**AP US Government & Politics (AP)**

Course ID: 851

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Major units of study include constitutional underpinnings; institutions of national government; political beliefs and behaviors; political parties, interest groups, and mass media; public policy; civil right and liberties. This course prepares students to take the AP U.S. Government and Politics exam by focusing on content and skills (including primary source analysis, interpreting charts & political cartoons, current event analysis, and debating constitutional issues). UC A-G approved – a History/Social Studies. NCAA approved.

*Prerequisite: US History (P) or US History (HP) and department approval*

*Level: 12*

*Credit: 5*



## TECHNOLOGY EDUCATION

Technology is an integral part of the high school experience. At St. Francis High School, our mission is to prepare our students for 21st century learning by mastering skills of locating, analyzing, and creatively communicating information effectively. Our technology courses focus on preparing students to become independent users of technology, for academic and artistic purposes.

Technology is all about change; building confidence allows our students to adapt and grow with the hardware and software over time, preparing them for lifelong learning.

### **Computer Graphics**

Course ID: 053

This course provides students with the basic and intermediate computer graphic experience. Through the use of the Adobe Creative Suite and with a pen and tablet device, students develop computer graphics for print material. Students explore a wide range of techniques to create unique graphics. This is a semester-long course. UC A-G approved – g College-Preparatory Elective.

*Prerequisite: none*

*Level: 9-12*

*Credit: 5*

### **Digital Photography 1 (P)**

Course ID: 140

A course emphasizing the synthesis of painting, drawing, photography and design skills in a contemporary approach to artistic production through electronic imaging, manipulation, and design. Class discussions and studio projects address a range of technical, compositional, and aesthetic issues fundamental to image making. Strong emphasis is on the development of both a technical grasp of the tools and a critical awareness of the medium through assignments and critiques, lecture, and demonstration. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1*

*Level: 10-12*

*Credit: 5*

### **Digital Photography 2 (P)**

Course ID: 141

A course emphasizing the synthesis of painting, drawing, photography and design skills in a contemporary approach to artistic production through electronic imaging, manipulation, and design. Class discussions and studio projects address a range of technical, compositional, and aesthetic issues fundamental to image making. Strong emphasis is on the development of both a technical grasp of the tools and a critical awareness of the medium through assignments and critiques, lecture, and demonstration. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: Art 1 and Digital Photography 1 (P)*

*Level: 10-12*

*Credit: 5*

### **Digital Film**

Course ID: 142

This Digital Film course focuses on the art of video production, video editing and the exploration of communication within the medium of film. Students will learn the history of film, develop proficiency of specialized film vocabulary, as well as analyze film and its narrative structure. Both the individual and group film projects will include story development, screen writing, digital editing, digital audio, digital photography, and digital film production. Group projects will consist of students organized as modern movie production teams with each student participating as director, editor, producer, and camera and boom operator. UC A-G approved – f Visual & Performing Arts.

*Prerequisite: None*

*Fees: N/A*

*Level: 11-12*

*Credit: 10*

### **AP Computer Science A (AP)**

Course ID: 571

AP Computer Science is a full-year introductory course in computer science, comparable to a first-semester college course. Students will learn to design and implement solutions to problems by writing, running, and debugging computer programs in the Java programming language. Students will learn to code fluently in an object-oriented programming language, to use and develop common algorithms and data structures, to read and understand programs developed by others, and to recognize the ethical and social implications of computer use. Students will be prepared and required to take the AP Computer Science A exam. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: A- or better in Algebra 2, B or better in Honors Algebra 2, and/or a B or better in Pre-calculus (all grades are from second semester). Students who do not meet these requirements may apply by submitting a petition form.*

*Level: 10-12*

*Credit: 10*

### **AP Computer Science Principles**

Course ID: 572

This course utilizes resources from Harvard University's popular CS50 course to meet the standards of AP CS Principles, a new computer science course created by the College Board and debuting in 2016-17. CS50 is Harvard's introduction to the intellectual enterprises of computer science and the art of programming. This course teaches students how to think algorithmically and solve problems efficiently. Topics include abstraction, algorithms, data structures, encapsulation, resource management, security, software engineering, and web development. Languages include C, PHP, and JavaScript plus SQL, CSS, and HTML. Problem sets are inspired by real-world domains of biology, cryptography, finance, forensics, and gaming. CS50 is designed for all students with or without prior programming experience. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: Completion of Algebra 1 or equivalent*

*Level: 10-12*

*Credits: 10*

## **Computer Programming with C – C-STEM**

Course ID: 573

This course is being offered in partnership with UC Davis's C-STEM Center. Computer Programming with C provides students with the fundamental knowledge of computer programming for solving applied problems in C. Students learn how a computer works and structured programming in C for software development. The topics include programming constructs, data types and declaration of variables, expressions and operators, selection statements, repetition, flowcharts for algorithm development, functions for modular programming, arrays for statistical data analysis, plotting for visualizing data (using scatter plot, dot plot, bar graph, histogram, Box-and-Whisker plot, etc.), linear regression and curve fitting, pointers and dynamic memory allocation, processing data files, animation, robotics applications, and applications in math and science. The emphasis of the course is to introduce the students to software development concepts.

This course also focuses on algorithm development and computer programming for solving applied problems in science, technology, engineering and math (STEM), such as solving problems in Algebra and robotics. Considerable attention is devoted to program design, task decomposition, testing, debugging, and software reuse. Students write computer programs with graphical plotting in an integrated development environment. Through problem-based projects, students develop critical thinking, problem solving, computational thinking, effective communication, and teamwork skills. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: Completion of Algebra 1 or equivalent.*

*Level: 9-12*

*Credits: 10*

## **Biotechnology (P)**

Course ID: 745

Biotechnology is a field of applied biology that involves the use of living organisms and bioprocesses in medicine, forensics, agriculture, and many other fields. Biotechnology has been called "The Science of the New Millennium". This is a rigorous course which begins with a comprehensive overview of the key concepts in molecular biology. Topics to be covered include nucleic acid structure and function, DNA replication, transcription, translation, chromosome structure, and regulation of gene expression in prokaryotes and eukaryotes. The course focuses on the use of this knowledge in biotechnological methods, such as, recombinant DNA technology, restriction enzyme digest, creating genetically modified organisms, gene transfer, gene therapy, PCR and DNA fingerprinting, microarray technology, ELISA testing, and more. The class will also discuss bioethics and how controversial issues are addressed using a Catholic worldview. State-of-the-art equipment and materials are available for students as they learn and apply the basic molecular biology methods used in the field of biotechnology. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisite: B or better in Biology ; C or better in Chemistry*

*Level: 11, 12, (10th with Science Department approval)*

*Credit: 10*

## **Applied Chemistry & Technology**

Course ID: 761

This is an upper division chemistry course designed to further student's understanding of the concepts covered in her first year chemistry course, introduce additional topics generally encountered in a college chemistry course, and require students to apply her understanding of the material to culturally relevant topics and real-world problems in the areas of medicinal chemistry, environmental chemistry, consumer chemistry, and forensics. There will be a strong emphasis on the study of technological advances in chemistry, such as nanotechnology and alternative fuels, the use of technology in labs and the acquisition and analysis of data, and the emerging field of Green Chemistry. In addition, students will gain experience in chemical engineering principles and methods through labs and other activities. Topics covered in the class include atomic theory and atomic structure, chemical bonding, nuclear chemistry, states of matter, solutions, reaction types, stoichiometry, equilibrium, kinetics, and thermodynamics. UC A-G approved – d Laboratory Science. NCAA approved.

*Prerequisites: B- or better in Chemistry or Honors Chemistry, completion of or concurrent enrollment in Algebra 2 or Algebra 2B*

*Level: 11, 12*

*Credit: 10*

# THEOLOGY

The Theology Department is a central and integral part of St. Francis High School. We believe that people encounter God in their everyday activities; it is our goal as religious educators to promote the awareness of God's presence and encourage the interaction of God's grace and our free response. The Theology Department prepares the students to go forth as living examples of service, community building and faith. There is an ecumenical spirit in our Catholic school which serves those of different Christian denominations, Orthodox traditions, and the Jewish, Hindu, Buddhist, Sikh, and Islamic faiths. The eight semesters of theology:

- Present the core beliefs and practices of Roman Catholicism.
- Foster an appreciation of: Prayer and Worship; Ethical behavior; Christian Service; Reverence for the mystery of life; Respect for people and religions.

## **Jesus Through the Ages**

Course ID: 914

"In the beginning was the Word, and the Word was with God, and the Word was God." John 1:1. Part reflection, part Christology Jesus Christ Revealed explores the history, culture, deeds, and words of the Lamb of God as well as the faith traditions of first-century Christians. Students are prompted to explore their own life of faith in light of the Gospel Message.

Prerequisite: None

Level: 9

Credit: 5

## **Introduction to Scripture**

Course ID: 913

Introduction to Scripture invites students into friendship with God through the revelation expressed in the Old and New Testaments. Students explore the nature and development of these writings and come to understand the Jesus of History and the Christ of Faith. The course provides tools of interpretation and methods of discerning inspiration, progressing through an appreciation of symbolism and the vitality of the "word". Students have an opportunity to study the evolution from oral traditions to the early written scriptures in the early church community.

*Prerequisite: None*

*Level: 9*

*Credit: 5*

### **Discipleship**

Course ID: 924

This course will focus on many elements of our Catholic faith that assist in understanding what it means to be a disciple of Christ today. Beginning with the foundation of the inherent goodness of humankind and of all God's creation, the reality of sin and suffering will be explored. In addition, Jesus's unique identity as revealed in His mission, death, and resurrection will shed light on the path of salvation for those who seek to follow Christ. Mary's role in God's call to holiness will be explored in addition to the role of the Saints. Throughout, the understanding of the call to discipleship will be linked to the vital role that prayer plays in developing and nurturing a relationship with God.

*Prerequisite: Introduction to Scripture, Jesus Through the Ages*

*Level: 10*

*Credit: 5*

### **The Church**

Course ID: 925

The Church guides students in exploring and understanding the Catholic Church, as well as its origin, structure, and mission. Additionally, the course addresses the roles of the hierarchy, those in religious life, and the laity in supporting the mission of the Church. Attention is also paid to the global presence of the Church as a light to all people. This one-semester course couples with Discipleship to encompass the SF sophomore year Theology curriculum.

*Prerequisite: Introduction to Scripture, Jesus Through the Ages*

*Level: 10*

*Credit: 5*

### **Interfaith Dialogue**

Course ID: 935

Interfaith Dialogue seeks to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as other world religions. Building on the foundational truth that Jesus Christ established the Church and entrusted to her the fullness of God's revelation, this curriculum explores critical spiritual truths in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. This one-semester course couples with Sacraments to encompass the SF junior-year Theology curriculum. UC A-G approved – g College-Preparatory Elective. NCAA approved.

*Prerequisite: Discipleship, The Church*

*Level: 11*

*Credit: 5*

### **Sacraments**

Course ID: 934

Sacraments explores ways in which our community fully encounters Christ through the sacraments, and especially through the Eucharist. Students examine each of the sacraments in detail. This one-semester course couples with Interfaith Dialogue to encompass the SF junior year Theology curriculum.

*Prerequisite: Discipleship, The Church*

*Level: 11*

*Credit: 5*

## **Ethics**

Course ID: 943

The Ethics course provides a foundation in Roman Catholic moral theology and moral decision-making. During the first quarter of the semester, students study values: Jesus' concept of love; The Sermon on the Mount; Sin; Law and Conscience. The second quarter is devoted to the study and discussion of moral issues, including drug and alcohol use, non-marital sex, euthanasia, homosexuality, capital punishment and abortion.

*Prerequisite: Sacraments, Interfaith Dialogue*

*Level: 12*

*Credit: 5*

## **Social Justice (P)**

Course ID: 942

"No one lives alone. No one sins alone. No one is saved alone," wrote Pope Benedict XVI, whose words resonate with today's world, particularly because the prevalence of social media allows us to better see how our lives are interwoven with those around us. This course on Social Justice builds on those connections by helping young people find their place in the community of the faithful as they advocate for charity and justice in the world. Organized around the seven principles of Catholic social teaching, this course helps students gain a greater understanding of the roots of social teaching in the Church, its context in the Bible and Catechism and real-life examples of charity and justice in action. The seven principles of Catholic Social Teaching will be explored through prayer, reflection, research and advocacy.

The Seven Principles of Catholic Social Teaching are as follows:

1. Life and Dignity of the Human Person
2. Call to Family, Community, and Participation
3. Rights and Responsibilities
4. Option for the Poor and Vulnerable
5. The Dignity of Work and the Rights of Workers
6. Solidarity
7. Care for God's Creation

*Prerequisite: Sacraments, Interfaith Dialogue*

*Level: 12*

*Credit: 5*

## OTHER COURSE OFFERINGS

SFHS encourages its students to reach out – to explore new horizons, to get involved in global concerns and to help shape ideas and technologies of the future.

### **Christian Service Leadership**

Course ID: 032

This course is required for students chosen to be Christian Service Leaders. This course provides students with learning opportunities to affirm, develop, and express their aspirations to grow their servant leadership competencies. The purpose of this yearlong course is to teach leadership skills and provide students with a platform to demonstrate their skills while inspiring and informing the St. Francis Catholic High School community about service opportunities, social justice, charity, and advocacy.

*Prerequisite: You must be selected as a Christian Service Leader to enroll.*

### **Study Skills**

Course ID: 091

Study Skills is a year-long academic support program for sophomores, juniors, and seniors. The overriding objective is to model and practice success attributes: self-awareness, goal setting, perseverance, emotional coping strategies, use of support systems, proactivity and self-advocacy. Short term assignments are designed to increase proficiency in core academic programs.

Prerequisite: None

*Level: 10, 11, 12 (By recommendation from Guidance, Resource, or Administration)*

*Credit: 10*

### **Troubie Success**

Course ID: 021

Troubie Success is a four-semester series designed to provide students with the necessary support and skills for a successful transition to the academic program at St. Francis. The overriding objective is to model and practice success attributes: self-awareness, goal setting, perseverance, emotional coping strategies, use of support systems, proactivity and self-advocacy.

Beginning in the summer prior to 9th grade, students complete 6 weeks (equivalent to two semesters) of preparation for the academic year ahead. The first three weeks focus on English 9 readiness (including assigned summer reading), study skills, and Pre-algebra. The remaining three weeks focus on Algebra 1 Readiness and strengthening early algebra skills in preparation for completing Algebra 1 during the school year.

During the school year (two semesters), the program will continue to guide students in honing their abilities in these areas while also supporting them with the rest of their academic workload. On a regular basis, students work independently and in groups to write and reflect, collaborate with others, engage in class discussion, read individually and as a class, and increase proficiency in mathematics.

*Prerequisite: None*

*Level: 9 (By recommendation from Admissions)*

*Credit: 10*



### **Academic Decathlon**

Course ID: 045

This academic team offers students the opportunity to immerse themselves in a new topic each year, ranging from national (e.g. Civil War and Great Depression) to international (e.g. French Revolution and Renaissance) topics. In addition to weekly meetings, members also attend various workshops and scrimmages. Students compete in February against other local high schools across a variety of areas (Economics, Arts, Music, Language and Literature, Mathematics, Science and Social Science) all related to the annual theme. Competition includes subject tests, speeches, essay and Super Quiz. The “Aca Deca” team must consist of an equal number of members from various grade point average ranges, so all students are encouraged participate, regardless of grade point averages. Students may additionally earn 3 units of elective credit at CSUS through the [Accelerated College Entrance \(ACE\) program](#)

NOTE: This class meets two days a week after school.

*Prerequisite: None*

*Level: 9-12*

*Credit: 2 total (one per semester)*

### **The Canticle (Yearbook)**

Course ID: 195

This course may be taken in addition to other English courses but does not satisfy graduation requirements.

This course broadens students’ understanding of the media while contributing to the SFHS archives through development of The Canticle, the school yearbook. Methodology consists of creative lab experiences, layout, recording, and reporting. Goals include stimulating students’ creativity, strengthening their value of commitment, and assuming responsibility for a final product. This course may be repeated for credit. Note: Yearbook requires some after-school hours.

Prerequisite: Students must have the recommendation of her present English teacher.

Sophomores & Juniors must have an “A” in English. Seniors who are signing up for yearbook for the first time must have at least a “B” in English; involvement in school activities, strong writing skills, InDesign computer skills preferred; may be repeated for credit.

*Level: 10-12*

*Credit: 10*

### **Certamen**

Course ID: 037

Students on this academic team prepare for competition at events sponsored by the California and National Junior Classical Leagues, including Ludi Novembres, Carcer, and State Convention. Students learn all aspects of classical society, history and mythology, and test their knowledge against high school teams from across the state. Events include: academic tests (e.g. Latin/Greco-Roman history, mythology, grammar, vocabulary, daily life); speech events; catapult and chariot; essay and story writing. The premier event is the Certamen, a team quiz contest.

NOTE: This team meets one to two days a week after school.

*Prerequisite: None*

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

### **Ministry Leadership**

Course ID: 040

This course provides each student the opportunity for experience and development of her leadership knowledge and skills. It also allows the student to contribute to the St. Francis Community through the unique gifts given to her by God. Topics covered include lay ministry, leadership styles, effectiveness, communication, conflict resolution, recruiting and managing. In addition, students will create, lead and evaluate projects to build and refine their skills. Students in Ministry Leadership work within the Campus Ministry Department and its various programs including: liturgies and prayer, retreats, service, community building, and the Big Sister mentoring program. This course may be repeated in an opposite semester for credit. NOTE: This class is only offered in B Block.

*Prerequisite: None*

*Level: 9-12*

*Credit: 5*

### **Mock Trial**

Course ID: 042

The Mock Trial team prepares students to prosecute and defend a single case, serving as pretrial counsel, trial attorneys, witnesses, defendants, court clerks, reporters, bailiffs, and artists. In addition to after-school meetings, members also participate in weekend scrimmages. The team competes against other local high schools in six rounds of simulated trial at the Sacramento County Courthouse in March. NOTE: This team meets one to two days a week after school.

*Prerequisite: Application, interview/audition, recommendation and permission of instructor.*

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

### **Model United Nations Team**

Course ID: 046

This academic team simulates the crucial business of the United Nations assembly. Students represent assigned countries, within an assigned committee, as UN delegates and become versed in their history, economy, politics and culture. Large-scale university MUN conferences simulate topics facing the international community. At these conferences, students serve on various committees (e.g. World Health Organization, Security Council.) Preconference research and position-paper writing culminates in these weekend-long diplomatic simulations scored by university students who chair the committees. NOTE: This team meets one to two days a week after school with outside research required.

*Prerequisite: None*

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

**Robotics Team**

Course ID: 043

Members of FIRST Robotics Team 692, one of a few all-girls teams in the United States, specialize in project engineering, program management, electronics, computer programming, animation, web design and public relations. As participants in the FIRST Robotics Competition (FRC), students respond to challenges, work collaboratively as a team, master time management, strengthen communication skills, and practice “gracious professionalism.” The team participates in one to two regional competitions against other teams from across the nation.

Prerequisite: Application, interview, recommendation and permission of instructor.

NOTE: This team meets one to two days a week after school in the fall and five days a week in January and February.

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

**Science Olympiad**

Course ID: 062

The Science Olympiad team competes in a series of individual and team events that encourage learning in biology, earth science, chemistry, physics, problem solving and technology. While some events require knowledge of scientific facts and concepts, others rely on science processes, skills or applications. All events involve teamwork and collaboration. In the high school division, teams have a maximum of 15 students and may have additional members who participate in all practices and serve as back-ups as needed at the annual competition.

NOTE: This team meets one to two days a week after school.

*Prerequisite: Application; interview*

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

**Speech**

Course ID: 041

The Speech team provides opportunities for students to develop public speaking abilities while furthering their critical thinking and analytical skills. Through a variety of speaking opportunities to choose from, students may write original pieces, interpret published scripts or speeches, respond to prompts about world events, or compete impromptu. Students who want to improve presentation skills, enjoy drama/theater, have a passion for world events and can choose or write scripts are encouraged to audition. The team participates in 4 tournaments per season, mostly on Saturdays.

NOTE: This team meets one to two days a week after school and/or by appointment.

*Prerequisite: Audition*

*Level: 9-12*

*Credit: 2 total (one per semester)*

*See Also: Academic Teams*

**Student Intern**

Course ID: 010

Student Interns earn valuable work experience and excellent references for college applications, letters of recommendation, and job resumes. Students provide service to the school while earning 5 elective credits. Students are assigned a course grade, but this grade is not averaged into the SFHS GPA. Students should register as an intern and meet with the teacher or participating staff members to arrange for the internship. In addition to assisting teachers, students may apply to intern in the Guidance Department, Library, Institutional Advancement Office, Campus Ministry, St. Francis Admin. Office, Arts Department, and Technology Department.

Students may download an application in their TCCi Naviance Family Connection account by clicking on "Library."

*Prerequisite: You must be recommended and need to fill out the application. Download the application click on Library in your student profile.*

*Level: 9-12*

*Credit: 5*

**Student Leadership**

Course ID: 030

This course is a required class if you have been elected as a Student Body Officer or Class Officer. Students in this class will develop an understanding of leadership theory, personal development, communication, organization, community building, and ethics in leadership. The purpose of this class is to organize, manage, and evaluate school-wide activities and events, increase school spirit, participate in community activities and events, facilitate communication within St. Francis, and support the St. Francis student community. Student leaders also provide student representation to faculty, administration, and parent organizations. NOTE: This class is only offered at B Block.

*Prerequisite: You must be elected to a Student Body Office or Class Office or selected as a Class Senator to enroll.*

*Level: 9-12*

*Credit: 10*