



**Saint Joseph High  
School Course Catalog**

**2021-2022**

## Saint Joseph High School Graduation Requirements

Students must enroll in **six courses during each semester** of high school to earn a **minimum of 240 credits** to graduate.

Departments	Credits	Specific Courses
Religious Studies	40 Credits	Grade 9 – Religion I (two semesters) Grade 10 – Religion II (two semesters) Grade 11 - Sacraments/Morality (two semesters) Grade 12 - <b>Two</b> of the following: <ul style="list-style-type: none"> <li>• Christian Vocations (one semester)</li> <li>• Peace and Justice (one semester)</li> <li>• World Religions (one semester)</li> </ul>
English	40 Credits	In each grade, students must complete two semesters of English. Grade 9 – English 1 Grade 10 – English 2 Grade 11 – English 3 Grade 12 – English 4
Social Studies	30 Credits	Grade 10 – World History (2 semesters) Grade 11 – U.S. History (2 semesters) Grade 12 – U.S. Government/Economics (2 semesters)
Mathematics	30 Credits	Enrollment in math courses varies, depends on each student’s college and career goals and each student’s skills.
Science	20 Credits	One year of biological science One year of physical science
World Languages	20 Credits	Two years of a single language
Visual and Performing Arts	10 Credits	One year of the <b>SAME</b> visual or performing art

Physical Education	5 Credits	One semester
Health	5 Credits	One semester
Credits from Required Courses	<b>200 Credits</b>	
Elective Credits	40 Credits	<i>Please note: only <b>ten</b> elective credits may be earned as a Teacher's Aide, Office Assistant, or Lab Assistant</i>
Total Credits for Required and Elective Courses	<b>240 Credits</b>	Note: All "F" grades must be remediated <b>prior to a student's senior year</b> to earn graduation credit for the course in which the student earned.

<b>Additional Required Graduation Requirements</b>		
Christian Service to the Dear Neighbor	105 Hours	Seven semesters, 15 hours per semester
Senior Capstone Project and Interview	Passing Grade	Spring semester of senior year
Writing Formative Assessment	Passing Grade	Spring semester of grades 9, 10, 11, 12

## **UNIVERSITY OF CALIFORNIA & CALIFORNIA STATE UNIVERSITY REQUIREMENTS**

- THE UNIVERSITY OF CALIFORNIA (UC)

UC Berkeley, UC Davis, UC Irvine, UC Los Angeles, UC Merced, UC Riverside, UC San Diego, UC San Francisco, UC Santa Barbara, and UC Santa Cruz)

- CALIFORNIA STATE UNIVERSITY SYSTEM

Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, California Maritime Academy, Monterey Bay, Northridge, Polytechnic University at Pomona and San Luis Obispo, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Marcos, Sonoma, and Stanislaus

The student must complete the following courses with a grade of “C” (75 %) or better to be considered for acceptance at a UC or Cal State.

A-G Requirement	Credits	High School Course Requirement
A History	Two years	<ul style="list-style-type: none"> <li>• One year of U.S. History</li> </ul> <p style="text-align: center;"><i>OR</i></p> <ul style="list-style-type: none"> <li>• One semester of U.S. History plus one semester of U.S. Government</li> </ul> <p style="text-align: center;"><i>AND</i></p> <ul style="list-style-type: none"> <li>• One year of World History</li> </ul>
B English	Four years	<ul style="list-style-type: none"> <li>• One year at each grade level</li> </ul>
C Mathematics	Three years <i>(Four years recommended)</i>	<ul style="list-style-type: none"> <li>• Algebra 1</li> <li>• Geometry</li> <li>• Algebra 2</li> </ul>
D Laboratory Science	Two years <i>(Three years recommended)</i>	<ul style="list-style-type: none"> <li>• Biology</li> </ul> <p style="text-align: center;"><i>AND</i></p> <ul style="list-style-type: none"> <li>• Chemistry or Physics</li> </ul>
E World Language	Two Years <i>(Three years recommended)</i>	<ul style="list-style-type: none"> <li>• Two years of a single world language</li> </ul>
F Visual and Performing Arts	One year	<ul style="list-style-type: none"> <li>• One year of a single Visual or Performing Art</li> </ul>
G Elective Course	One year	<p>Chosen from the following academic disciplines:</p> <p><i>English, advanced math, laboratory science, world languages, social science</i></p>

Please note: During her four years at Saint Joseph High School, a student is permitted to take only two on-line courses from a third-party provider for graduation credit.

## COURSE DESCRIPTIONS

**P** = Course meets UC/CSU requirements for admission to college or university

**HP** = Course meets UC/CSU requirements for Honors credit.

**AP** = Advanced Placement Course

### RELIGIOUS STUDIES

#### Two Semesters Required for Each Year of High School (Eight Semesters Total)

711/712

#### RELIGION 1

Grade 9

Prerequisites and Required Resources:

Laptop or notebook computer or iPad

- **711 Religion 1/SACRED SCRIPTURE** (Semester 1)

Through a study of sacred scripture and both Hebrew and Christian testaments, the students will come to know Jesus Christ more deeply and understand His teachings more fully. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

- **712 Religion 1/CHRISTOLOGY** (Semester 2)

Through a study of Christ's life, ministry, and mission, students will better appreciate and understand the dual (human and divine) nature of Christ. Starting with their lived experience, students will be challenged to make their lives a lived response to the call to discipleship. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

721/722

#### RELIGION 2

Grade 10

Prerequisites and Required Resources:

Successful completion of Religion 1  
Laptop or notebook computer or iPad

721

#### Religion 2/THE MISSION OF CHRIST

 (Semester 1)

Through this course of study, students will learn that God's plan of eternal life for us, His children, is accomplished through the redemption that Christ has won for each of us. Students will learn what it means to be a disciple of Christ and what living a life of discipleship truly means. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

**722 Religion 2/CHRIST’S CHURCH (Semester 2)**

Through this course of study, students will learn about the sacred nature of the Paschal mystery of the Church. Students will come to know the Church on Earth to be the living Body of Christ in the world. Students will come to appreciate that in, and through the Church, they encounter the living Jesus Christ, the Head of the Church, the Body of Christ. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

**732 RELIGION 3** Grade 11

Prerequisites and Required Resources: Successful completion of Religion 2  
Laptop or notebook computer or iPad

**732 Religion 3/SACRAMENTS (Semester 1) Grade 11**

The objective of this course is to help students to understand and to value that they can encounter Christ today in a full and meaningful ways in and through the Sacraments, especially the Eucharist. Students will explore and examine each of the seven sacraments in detail, as a means to grow in intimacy with Christ and in their ability to encounter and live their personal relationship with Christ throughout life as members of His Church. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

**734 Religion 3/MORALITY (Semester 2)** Grade 11

The purpose of this course is to help the student to understand that it is only through Christ that she can fully fulfill God’s plans for her life. The Ten Commandments are presented as guideposts to living as children of God, and students are introduced to the moral concepts and other laws of the Church that guide them in living as Christ’s disciples. This course is designed to follow the United States Conference of Catholic Bishops (USCCB) *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.

**RELIGION 4** Grade 12

Prerequisites and Required Resources: Successful completion of Religion 3  
Laptop or notebook computer or iPad

**740 Religion 4/CHRISTIAN VOCATIONS (One Semester)** Grade 12

Prerequisites and Required Resources: Successful completion of Religion 3  
Laptop or notebook computer or iPad

This course examines and reflects on the call to all Christians to make a life commitment to Christ through various paths: Christian marriage, Religious life, and unmarried Christian life. The emphasis of the course is the process which makes it possible for one to make responsible choices regarding her response to Christ's invitation, "Follow Me." *This course is designed to follow the United States Conference of Catholic Bishops (USCCB) Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*.



**717 MINDFULNESS AND THE CONTEMPLATIVE TRADITION (Semester)** Grade 12  
This course is an **ELECTIVE (P)**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Religion 1, 2, 3, 4  
Successful completion of Psychology (Recommended)

This one-semester elective course provides students opportunities to learn about the science of mindfulness and offers students opportunities to practice exercises that build daily mindfulness, gratitude, and compassion. This course integrates traditional contemplative practices from various wisdom traditions, as well as contemporary psychology and scientific research to demonstrate that the brain and the mind are pliable and dynamic and can be continually developed to support lifelong wellness through healthy habits of mind and body.

### BUSINESS/DIGITAL SKILLS/COMPUTING

**258 INTRODUCTION TO COMPUTER SCIENCE (Semester)** Grades 9, 10, 11, 12  
This course is an **ELECTIVE**.

Prerequisites and Required Resources: Laptop or notebook computer or iPad

This course is designed to introduce students to the fundamental concepts and skills of computer science through using specific software applications and practicing programming languages. The course focuses on digital literacy and digital citizenship. Students will also practice digital design, assorted applications, and social, safety, and ethical issues related to social media.

**259 WEBSITE DESIGN, ILLUSTRATION, AND VIDEO PRODUCTION**  
(Semester) Grades 9, 10, 11,12  
This course is an **ELECTIVE**.

Prerequisites and Required Resources: Laptop or notebook computer or iPad

This course is designed for students interested in electronic media concepts and projects. Students study digital design skills and digital composition theory while creating projects integrated into computer illustration. Students use programs such as *InDesign*, *Illustrator*, and *Photoshop* to create flyers, advertisements, and websites. Students also practice the fundamentals of video production and editing.

**260 AP COMPUTER SCIENCE PRINCIPLES (HP) Year** Grades 11, 12  
This course is an **ELECTIVE**.

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
Successful completion of Algebra 1 with 90% or better  
Students must be able to use a Cartesian (x, y) coordinate system to represent points on a plane.

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity,



abstraction, data and information, algorithms, programming, the internet, and the global impact computing. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete a summer assignment due on the first day of class. Barring compelling reasons, students who do not complete the summer assignments **and** who do not turn them in on time, will not be permitted to remain enrolled in the course.

## ENGLISH

### Written Formative Assessment

Over the course of the school year, each student completes Written Formative Assessments (WFAs) in her English course. **Passing the Written Formative Assessment EACH YEAR is a graduation requirement.** WFAs must be completed with 73% or better. Any student whose WFA average falls below 73% at the end of the sophomore, junior, or senior school year, **MUST** enroll in the Written Formative Assessment review course, a two-week summer course at SJHS (after the graduation ceremony) before she can receive her diploma. Juniors must successfully complete the WFA summer review course **prior to their senior year.**

**144 S**

**CONTEMPORARY LITERATURE (P)** (Semester)

Grades 11, 12

Prerequisites and Required Resources:

Laptop or notebook computer or iPad

Successful completion of English 2 Honors

**and**

Successful completion of English Department Written Formative Assessment of 73% or better.

OR

Successful completion of English 3 with a 70% or better

**and**

Successful completion of English Department Written Formative Assessment of 73% or better.

Contemporary Literature is a semester-long fall course paired with the Women’s Literature course in the spring semester. It focuses on late twentieth century and contemporary literature. Students become familiar with literary criticism and analysis of fiction and nonfiction of various genres including novels, short stories, plays, poems, essays, and op-ed pieces. Students practice critical thinking and academic writing, build collegiate vocabulary, practice process writing to build writing fluency in standard written English (SWE) integrating correct grammar, usage, and syntax. Out of class, independent reading is required every academic quarter. Students practice various types of research methods and complete a literary research paper using Modern Language Association (MLA) format. Students gain confidence in public speaking/oral presentation skills through several individual and group projects.

131 S

**AP ENGLISH LANGUAGE AND COMPOSITION (HP) (Year)**

Grade 11

Prerequisites and Required Resources:

Laptop or notebook computer or iPad

Successful completion of English 2 Honors with 83% or better

**and**

Successful completion of Written Formative Assessment with 80% or better in preceding school year

**OR**

Successful completion of English 3 with 89% or better

**and**

Successful completion of Written Formative Assessment with 80% or better in preceding school year

**Note:**

Star Reading indicators are considered in student eligibility for this course.

Students whose Written Formative Assessment average is below 80% are **not eligible** to enroll in AP English Language and Composition.

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Deadlines for these assignments will vary, depending on the activity. *Students must complete the summer assignments throughout the summer and must turn them in on time. Barring compelling reasons, students who do not complete the summer assignments on time will not be permitted to remain enrolled in the course.*

141 S

**AP ENGLISH LITERATURE AND COMPOSITION (HP) (Year)**

Grade 12

Prerequisites and Required Resources:

Laptop or notebook computer or iPad

Successful completion of AP English Language and Composition with 83% or better

**and**

Written Formative Assessment Score of 70% or better in preceding year

**OR**

Successful completion of English 3 with 89% or better

**and**

Successful completion of English Department Written Formative Assessment with 80% or better

Note: Star Reading indicators are considered in student eligibility for this course.

Students whose Written Formative Assessment average is below 80% are **not eligible** to enroll in AP English Language and Composition.

An Advanced Placement English course in Literature and Composition engages students in careful reading and critical analysis of *imaginative* literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone. *Students must complete the summer assignments throughout the summer and must turn them in on*



**120 ENGLISH 2 (P) (Year)**

Grade 10

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of English 1

English 2 is a year-long course designed to continue to provide students opportunities to practice and master reading, writing, speaking, critical thinking, and listening fluency through the survey of fiction and non-fiction World Literature selections of various genres (novels, short stories, plays, poems, etc.). The emphasis of this course is to ensure all students have frequent opportunities to practice and master process writing on long and short products including, but not limited to, multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research project using MLA format. Students have multiple opportunities to practice public speaking/oral presentation skills.

**121 S ENGLISH 2 HONORS (P) (Year)**

Grade 10

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of English 1 Honors with 85% or better  
Passing score of at least 85% on Written Formative Assessment  
*or*  
Successful completion of English 1 with 89% or better for each semester and passing score of at least 85% on Written Formative Assessment.

Note: Star Reading indicators are considered in determining student eligibility for this course.

English 2 Honors is a year-long course designed to continue to provide students opportunities to practice and master reading, writing, speaking, critical thinking, and listening fluency through a survey of American literary fiction and nonfiction. Students have frequent opportunities to complete process writing on short and long products, including multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects.

**130 ENGLISH 3 (P) Year**

Grade 11

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of English 2

English 3 is a year-long course designed to provide students with opportunities to build and master reading, writing, speaking, critical thinking, and listening fluency through a survey of American Literature, fiction and nonfiction. Students have frequent opportunities to complete process writing on short and long products including, but not limited to, multi-paragraph essays. Independent reading is required every quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects. Students practice using various types of research methods and complete a literary research paper using the MLA format.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of English 3

English 4 is a year-long survey course of British Literature, fiction and non-fiction, that continues to provide students with opportunities to practice and master critical reading, writing, speaking, critical thinking, and listening fluency. Independent reading is required every quarter. Students have frequent opportunities to complete process writing on short and long products, including multi-paragraph essays. Independent reading is required each quarter. Students practice various types of research methods and complete a literary research paper using the MLA format. Students gain fluency in their public speaking/oral presentation skills through several presentation projects.

## 143 S

## WOMEN'S LITERATURE (P) Semester

Grades 11-12

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of English 2 Honors with 85% or better  
OR  
Successful completion of English 3 with a 80% or better  
*and*  
Successful completion of English Department Written  
Formative Assessment of 73% or better.

Women's Literature is a semester-long spring course paired with Contemporary Literature in the fall semester. The course is a survey of women's literary fiction and non-fiction including multiple genres (novels, short stories, plays, poems, essays, op-ed pieces). The course provides students opportunities to continue to practice and master close reading, writing, speaking, critical thinking, and listening skills. Independent reading is required every quarter. In addition, students practice various types of research methods and complete a literary research paper using the MLA format. Students gain confidence in their public speaking/oral presentation skills through several presentation projects.

## 149 S/150 S YEARBOOK (Year)

Grades 10 -12

This is an ELECTIVE.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Grade of 73% or better in current English course

Students enrolled in this hands-on, project based learning course produce the SJHS yearbook. Course focus is on learning basic journalism and editing skills, news writing, graphic design, page design, and photojournalism. **Extensive writing and time commitment required. Other requirements include after-school meetings once a month and a \$300-minimum of business ad sales due by the end of the first semester.**

## FAMILY AND CONSUMER SCIENCES

**503 CHILD DEVELOPMENT AND PSYCHOLOGY (Semester) Grades 11,12**

This is an ELECTIVE.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
There is a \$30 Materials Fee  
Textbook purchase required.

This course provides students opportunities to practice and master the basic concepts the physical, emotional, and mental development of the child from pregnancy through childhood years. The course introduces the fundamental concepts of child psychology and child rearing.

**506 CULINARY ARTS (Semester) Grades 9, 10, 11, 12**

This is an ELECTIVE.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
There is an \$80 materials fee to cover cost of supplies and instructor-curated resources.

This course provides hands-on, project based learning to provide students with opportunities to practice and master home and industrial kitchen practices and cooking methods for a variety of world cuisines. Topics include food sanitation, kitchen safety, and career opportunities in the restaurant and hospitality industries.

**505 FINANCIAL ALGEBRA (Semester) Grades 11, 12**

This is an ELECTIVE.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
TI-84 Plus CE graphing calculator required

This course provides students opportunities to practice and master the fundamentals of employment prospecting, setting realistic salary expectations, engaging in salary negotiations, responsible budgeting, financing major purchases, fundamentals of banking and investing, local, state, and national taxes, and other finance topics necessary for successful independent life after high school.

## MATHEMATICS

**207 ALGEBRA 1 (P) (Year) Grades 9,10**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
TI-84 Plus CE graphing calculator required

Algebra 1 provides students opportunities to practice and master essentials of first year Algebra and includes statistics, probability, and geometry. Real world applications are provided throughout this Course. Note: HSPT scores, Math Placement Test and Star Math Assessment indicators are used in determining student enrollment in this course.

<b>202</b>	<b>ALGEBRA 1, PART 1 (Year)</b>	Grades 9,10
<b>203</b>	<b>ALGEBRA 1, PART 2 (Year)</b> Prerequisites and Required Resources:	Grades 9,10 Laptop or notebook computer or iPad TI-84 Plus CE graphing calculator required

This two-year course provides students opportunities to practice and master essentials of first year Algebra and includes statistics, probability, and geometry. Real world applications are provided throughout this course, with an emphasis on pre-algebra during the first quarter. This class is primarily designed for the student who needs to proceed at a more measured pace than Algebra 1. Successful completion of this two-year course meets the college requirement for Algebra. Note: HSPT scores, Math Placement Test and Star Math Assessment indicators are used in determining student enrollment in this course

<b>221 S</b>	<b>ALGEBRA 2 (P) (Year)</b>	Grades 10,11,12
	Prerequisites and Required Resources:	Laptop or notebook computer or iPad TI-84 Plus CE graphing calculator required Successful completion of Algebra 1 <b>and</b> Geometry with a minimum grade of 73% or better

This course provides opportunities for students to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric, and polynomial functions.

<b>220 S</b>	<b>ALGEBRA 2 HONORS (P) (Year)</b>	Grades 10,11,12
	Prerequisites and Required Resources:	Laptop or notebook computer or iPad Successful completion of Geometry Honors with 85% or better <i>or</i> Successful completion of Geometry with a grade of 90% or better TI-84 Plus CE graphing calculator required

This course provides high ability math students with opportunities to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric, and polynomial functions Honors course designed for high ability math students. Although similar to the Algebra 2 course, this course moves at a quicker pace than Algebra 2 and includes several additional, highly challenging topics.

<b>222 S</b>	<b>ALGEBRA 2 PART 1 (Year)</b>	Grades 11, 12
<b>223 S</b>	<b>ALGEBRA 2 PART 2 (Year)</b>	Grade 12
	Prerequisites and Required Resources:	Laptop or notebook computer or iPad Successful completion of Algebra 1 <i>and</i> Geometry with a 70% or better. TI-84 Plus CE graphing calculator required.

This two-year course features the same opportunities (as the one-year Algebra 2 course) for students to practice and master using algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric and polynomial functions. This course is designed for the student who needs to proceed through

Algebra 2 at a more measured pace than is offered in the Algebra 2 one-year course.  
Successful completion of this two-year course meets the college requirement for Algebra 2.

**233 S AP CALCULUS AB (HP) (Year) Grades 10, 11, 12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion Pre-Calculus Honors with minimum grade of 85%  
*or*  
Successful completion Pre-Calculus with minimum grade of 93%  
TI-84 Plus CE graphing calculator required

This college course provides students the opportunity to practice and master the concepts, methods, and applications of differential and integral calculus typically. Students work to understand the theoretical basis and solve problems by applying their knowledge and skills including determining expressions and values using mathematical procedures and rules, connecting representations, justifying reasoning and solutions, using correct notation, language, and mathematical conventions to communicate results or solutions. Students enrolled in this course are required to take the AP examination in the spring semester to earn the weighted grade for the course and the “AP” designation. *Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

**243 S AP CALCULUS BC (HP) (Year) Grades 10,11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion Pre-Calculus Honors with minimum grade of 92%  
And teacher’s approval.  
*or*  
Successful completion of AP Calculus AB with a grade of 85% or better.  
TI-84 Plus CE series calculator required.

This college course provides opportunities for students to practice and master the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students perform experiments and investigations and solve problems by applying their knowledge and skills including determining expressions and values using mathematical procedures and rules, connecting representations, justifying reasoning and solutions, using correct notation, language, and mathematical conventions to communicate results or solutions. Students enrolled in this course are required to take the AP examination in the spring semester. *Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*



**235 S AP STATISTICS (HP) (Year)**

Grade 12

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
 Successful completion of Pre-Calculus or Introduction to Calculus with  
 90% or better

*or*

Successful completion of Pre-Calculus Honors with 85% or better  
 TI-84 Plus CE graphing calculator required.

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Students have opportunities to practice and master four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, Statistical Inference. Students enrolled in this course will take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments **and** who do not turn them in on time will not be permitted to remain enrolled in the course.

**211 S GEOMETRY (P) (Year) Grades 9, 10, 11, 12**

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
 Successful completion of the SJHS Geometry Readiness  
 Assessment with a score 70% or better **AND** successful  
 completion of the one-year Algebra 1 course with a grade of  
 70% or better.  
 TI-84 Plus CE series calculator is required.

This course integrates synthetic, coordinate, and transformational approaches to geometry; reinforces and extends knowledge of algebra; and develops an understanding of proof. Students have opportunities to practice and master real world applications.

**210 S GEOMETRY HONORS (P) (Year)**

Grades 9,10, 11, 12

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
 Successful completion of the SJHS Geometry Readiness  
 Assessment with a score of 90% or better **AND** successful completion  
 of the full-year Algebra 1 course with a grade of 93% or better.  
 TI-84 Plus CE series calculator is required.

This course is for high-ability mathematics students. Like Geometry, this course integrates synthetic, coordinate, and transformational approaches to geometry; reinforces and extends knowledge of algebra; and develops an understanding of proof. Students have opportunities to practice and master real world applications. The pacing of this course is more rapid and the depth of study is deeper than in the Geometry course.



## PHYSICAL EDUCATION/HEALTH AND WELLNESS

### 905 **PHYSICAL FITNESS** (Semester) Grades 11, 12

This is an **ELECTIVE**.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful Completion of Sports & Fitness  
Physical Education Uniform and appropriate Training Shoes

This class provides opportunities for students to tone muscles, increase flexibility, practice healthful movement and develop cardiovascular endurance while participating in a variety of fitness activities. Activities include mat Pilates, strength training, weight training, fitness dance as well as vigorous aerobic and anaerobic exercises. Students learn and apply the benefits of exercise and nutrition to promote an active daily lifestyle.

### 910 **HEALTH** (Semester) Grades 9, 10, 11, 12

Prerequisites and Required Resources: Laptop or notebook computer or iPad

This course provides opportunities for students to practice and master personal health strategies. Students learn to take responsibility for their own health by learning to make mature, healthful decisions and lifestyle choices related to their physical and emotional wellbeing. Through a basic understanding of the basic body systems and disease, stress reduction and mental health, personal hygiene, nutrition, substance abuse, and reproduction, the student forms a background that will allow her to make wise, healthy choices both now and in the future.

### 900 **PHYSICAL EDUCATION** (Semester) Grades 9, 10, 11, 12

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Physical Education Uniform and appropriate Training Shoes

This course provides opportunities for students to practice and master rules, strategies, and techniques of several sports including basketball, football, soccer, softball, and volleyball. This class will also include physical fitness testing, weight lifting, and aerobic exercise.

### 911 **SPORTS MEDICINE (P)** (Semester) Grades 10,11,12

This is an **ELECTIVE**.

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Biology with 83% or better

Sports medicine is an area of health that applies medical and scientific knowledge to prevent, recognize, manage, and rehabilitate injuries related to sports, recreational activity, or exercise. This course provides opportunities for students to study sports medicine including, but not limited to, sports medicine related careers, prevention of athletic injuries, recognition, evaluation, immediate care of athletic injuries, rehabilitation skills, taping and wrapping techniques, first aid/CPR, emergency procedures, human anatomy and physiology, legal and ethical considerations. Laboratory activities are included.

## SCIENCE

### 342 S ANATOMY AND PHYSIOLOGY (P) (Year) Grades 11, 12

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of one year of Biology  
*and*  
Successful completion of one year of Chemistry  
Minimum unweighted GPA of 2.8

Anatomy and Physiology is a lab course that provides opportunities for students to practice and master concepts of the structure and function of the human body from cells to the total organism. This course is especially designed for the student who has a serious interest in pursuing a career in the health or medical field.

### • 322 S AP BIOLOGY (HP) (Year) Grades 11, 12

Prerequisites and Required Resources:  
  
Laptop or notebook computer or iPad  
Successful completion of Biology **AND** Chemistry with 93% or better  
**OR**  
Honors Biology *AND* Honors Chemistry with 89% or better.  
Recommendation of current science teacher

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Biology is designed to be equivalent to a college-level introductory biology course and aims to provide students with an understanding of the conceptual framework of modern biology. Students can expect to be challenged intellectually and academically, and are expected to exercise the academic behaviors reflective of a responsible college student. Students enrolled in this course are required to take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

### 334 S AP CHEMISTRY (HP) (Year) Grades 11, 12

Prerequisites and Required Resources:  
  
Laptop or notebook computer or iPad  
Successful completion of Chemistry with 93% or better  
Successful completion of Algebra 2 with 89% or better  
Recommendation of current science teacher  
**Or**  
Successful completion of Honors Chemistry with 89% or better  
Successful completion of Algebra 2 with 89% or better  
Recommendation of current science teacher

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. All students are challenged intellectually and academically, and are expected to exercise the academic behaviors reflective of a responsible college student. Students enrolled in this course are required to

take the AP examination in the spring semester. Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

**327 S**                      **AP ENVIRONMENTALSCIENCE (HP) (Year)**                      Grades 11,12

Prerequisites and Required Resources:      Laptop or notebook computer or iPad  
Successful completion of Biology, Chemistry/Physical Science,  
Algebra 2 each with 85% or better

AP Environmental Science is designed to be the equivalent of a one-semester introductory college course in environmental science. Students have opportunities to cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. Students enrolled in this course are required to take the AP examination in the spring semester. *Students must complete all summer assignments and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

**336 S**                      **AP PHYSICS 1 (Year)**                      Grades 11,12

Prerequisites and Required Resources:      Laptop or notebook computer or iPad  
Successful completion of Pre-Calculus **AND** Chemistry with 90% or  
better; concurrent enrollment in Calculus

AP Physics 1 is an algebra-based, introductory college-level physics course. Students have opportunities to cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. *Students must complete all summer assignment and turn in on the first day of class. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

**361**                      **ENGINEER YOUR WORLD (P) (Year)**                      Grades 9, 10, 11, 12

Prerequisites and Required Resources:      Laptop or notebook computer or iPad

Developed by a team of University of Texas faculty, NASA engineers, and secondary teachers working with funding from the National Science Foundation, Engineer Your World is an innovative, student-centered curriculum that engages learners in authentic engineering experiences and inspires them to embrace an engineer's habits of mind. Collaborative, student-directed projects build resilient problem solving skills and empower students to think like engineers, to adopt engineering processes, and to pursue engineering disciplines for the betterment of our world.

**362 ENGINEER YOUR WORLD 2 (Year) Grades 10,11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of ENGINEER YOUR WORLD with 85% or better

Engineering Applications of Computer Science builds on the EYW I course, relying on students' prior learning of the engineering design process and collaborative skills, while adding more technically challenging projects with a focus on programming and computational thinking to solve engineering design challenges. Students will work in teams to program an Instagram-like picture filter, develop a webcam system that provides real-time feedback to physical therapy patients, build and program a variety of assistive devices using a Raspberry Pi and other electronic hardware, develop a robot that drives on an adaptable path through a hospital to visit patient rooms and deliver supplies, and build and launch a water rocket for maximum altitude. Students will gain valuable Python programming and engineering experience and have fun at the same time!

**320 GENERAL BIOLOGY (P) (Year) Grades 9, 10, 11**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

General Biology is a laboratory course that provides opportunities for students to practice and master the scientific method, principles of cell theory, genetics, evolution, and ecology.

**330 S GENERAL CHEMISTRY (P) (Year) Grades 10,11**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Algebra 1 with 80% or better.

General Chemistry is a laboratory course that provides opportunities for students to practice and master basic physical and chemical laws. Topics covered: acid-base theory, moles and molar masses, chemical formulas, atomic theory and molecular structures, equations, periodic table and chemical families.

**321 S HONORS BIOLOGY (HP) (Year) Grades 9, 10, 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

Grade 9 3.7 GPA **and** Algebra 1 with A- **and** Science grade A/A- **and** HSPT Math = 85 or higher **and** has successfully completed Health and PE **and** has permission of instructor and

Grades 10, 11 Successful completion Chemistry w/at least 90%  
*or*  
Successful completion Hon. Chemistry at least 85%

Honors Biology is a laboratory course designed to be the equivalent to a college introductory course taken by non-majors. Students have opportunities to practice and master basic concepts of the scientific method, cell theory, energy and metabolism, genetics, evolution, ecology, basic biochemistry and comparative anatomy/physiology.

**331 S HONORS CHEMISTRY (P) (Year) Grades 10, 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Algebra 1 with 90% or better  
*Or*  
Successful completion of Algebra 1 Honors with 85% or better.

Honors Chemistry is a laboratory course for highly capable students. Students have the opportunity to practice and master basic physical and chemical laws. The topics covered are: acid base theory, gas laws, moles and molar masses, chemical formulas, atomic theory and molecular structures, chemical equations, periodic table and chemical formulas, and thermodynamics. Mathematics in chemistry is emphasized.

**340 S HONORS PHYSICS (HP) (Year) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Pre-Calculus **AND** Chemistry with a 90% or better  
Concurrent enrollment in either Calculus (preferred) **or** AP Statistics

Honors Physics is a laboratory course for highly capable college-prep students anticipating a science major in college. Students opportunities to practice and master basic laws of the physical world including concepts of mechanics (motion, force, energy, conservation of mass and momentum, and celestial movement), thermodynamics, waves, light, sound, and electromagnetism.

**324 S MARINE BIOLOGY (P) (Year) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of one year of biological science  
*and*  
One year of Physical Science

Students have opportunities to practice and master basic principles of marine biology including the marine environment and organisms and ecological impact of marine habitats on human habitats.

**341 S PHYSICS (P) (Year) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Algebra 2 with 85%  
*and*  
Successful completion of Chemistry with 85%  
Concurrent enrollment in Precalculus

Physics provides students opportunities to practice and master basic laws of the physical world including concepts of mechanics (motion, force, energy, conservation of mass and momentum, and celestial movement), thermodynamics, waves, light, sound, and electromagnetism.

**350 S SCIENCE LAB ASSISTANT (Semester) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of a science LAB course at least 75%

Students have opportunities to practice and master hands-on skills assisting the instructor before, during, and after student lab experiments, setting up and maintaining lab equipment, processing samples, classifying results, and recording findings.

**332 S SURVEY OF PHYSICAL SCIENCE (P) (Year) Grades 9, 10, 11, 12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

This is an introductory level course that provides opportunities for the student to practice and master fundamental concepts and practices in the physical and chemical sciences. This lab-oriented course introduces the students to the scientific method and lab techniques as well as the laws and concepts of the physical sciences. Students who have successfully completed chemistry and/or physics with 75% or better are **not** eligible to enroll in survey of Physical Science.

**325 EARTH SCIENCE (Year) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

Successful completion of Biology with 75% or better

This one-year course explores the foundations of Earth Science in the following related topics / fields: Earth's place in the universe, dynamic Earth processes, Energy in the Earth system, biochemical cycles, structure and composition of the atmosphere, and California geology. Students will have the opportunity for self-assessment as well as for teacher guidance and assessment throughout the course including the preparation and finalization of two semester Problem Solving Projects, which focus on research, organization, and drafting strategies. The course covers scientific terminology, historical and cultural advances in science, vocabulary building, test taking strategies, and several simulated labs, hands-on labs, the essay, workplace documents, and science projects using the scientific method

### **SOCIAL STUDIES**

**842 S AP GOVERNMENT AND POLITICS (HP) (Year) Grade 12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

Successful completion of AP US History with 85% or better

*and*

Successful completion of English III *or* AP English Language and Composition with 85% or better.

*or*

B+ in U.S History and English III *and* teacher recommendations.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. This course satisfies the senior American Government requirement. Students will still need to take the required Economics course. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall.

**847 S AP PSYCHOLOGY (HP) (Year) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad

Successful completion of English 10 or English 11 with 85% or better both semesters

AP Honors Biology or Biology with 85% or better both semesters



The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students enrolled in this course are required to take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

**832 S AP UNITED STATES HISTORY (HP) (Year)**

Grade 11

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
Successful completion of World History 90% or better

*or*

AP World History with 85% or better **AND** English II or English II Honors with 85% or better

AP US History provides students opportunities to study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Students analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This course satisfies the junior American History requirement. Students enrolled in this course are required to take the AP examination in the spring semester. *Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

**822 S AP WORLD HISTORY: MODERN (HP) (Year)**

Grade 10

Prerequisites and Required Resources:

Laptop or notebook computer or iPad  
Successful completion of English 1 or English 1 Honors with 85% or better in both semesters **AND** successful completion of Social Studies Department's placement assessment.

Note: Star Reading indicators are considered in student eligibility for this course.

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. The students in this course are expected to do a considerable amount of reading in both the major text and supplementary sources. This course is designed to continue the development of historical research and writing skills. Students enrolled in this course will take the AP examination in the spring semester. Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.

**843 ECONOMICS (Required) (P) (Semester) Grade 12**  
Prerequisites and Required Resources: Laptop or notebook computer or iPad

This one-semester survey of economics provides students opportunities to practice and master fundamentals of microeconomics, macroeconomics, global economics and personal finance. Students study contemporary economic systems as well as several current economic issues in our country and around the world. This course may be open to Grade 11 if enrollment space is available.

**846 PSYCHOLOGY (P) (Semester) Grades 11,12**  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Sociology with a 75% or better is advisable  
Successful completion of English 10 or English 11 with 75% or better both semesters is advisable

This fall semester course is typically paired with sociology in the spring semester. Psychology provides opportunities for students to practice and begin to master scientific and critical thinking as they explore a variety of topics within the field of psychology. Introductory topics include research methods, neuroscience, sensation and perception, motivation, learning principles, cognition, child development, personality, intelligence, abnormal and clinical psychology. Students taking psychology are encouraged to enroll in sociology the following semester.

**848 S SOCIOLOGY (P) Semester Grades 11,12**  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of psychology with a 75% or better is advisable.

Sociology provides opportunities for students to study, understand, and apply the relationship between individuals and their society. Topics include social norms, family, group relations, social change, stratification and institutions. Contemporary social problems and solutions are examined. The class is available to juniors and seniors. Students taking sociology are encouraged to enroll in psychology the following semester.

**840 UNITED STATES GOVERNMENT (P) (Required) Semester Grade 12**  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion United States History.

This one-semester course provides students with opportunities to build and master an understanding of the foundations and structure of the American government. Students study the historical, social, cultural, and religious perspectives, philosophy and values of the Founding Fathers, the three branches of government, and the mechanisms of the contemporary political process. This course may be open to Grade 11 if enrollment space is available.

**830 UNITED STATES HISTORY PART I (P) (Required) (Semester) Grade 11**  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of Modern World History I & II

This required survey course in United States History. The course provides students with opportunities to practice and master an understanding of the *U.S. Constitution*, growth of



AP Drawing is an introductory college-level drawing course. This is a College equivalent studio course, which expects high quality output, investigation, self-motivation, self-discipline, and the development of work in and outside the classroom. This course has been developed to accommodate the student who has expressed an interest in completing the AP Drawing Portfolio Exam. This course enables students to develop mastery in concepts, composition, and execution of drawing skills. This is a rigorous, college-level experience. Each student must submit the AP Exam Portfolio during the second semester on the day and date set by The College Board. *Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

<b>608 S</b>	<b>AP STUDIO: 2-D DESIGN (HP) (Year)</b>	Grades 10,12
	Prerequisites and Required Resources:	Laptop or notebook computer or iPad One year of previous successful art study <i>or</i> Permission of Art teacher \$120 per semester fee for materials

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce two-dimensional art and design. AP Studio Art is designed for the student who is seriously interested in the practical experience of art or considering a future in the field. AP Studio Drawing is not based on a written exam; instead, it is based on the development of ideas in a sketchbook and the completed Quality, Breadth, and Concentration section (24 works total) during the year and the submission of the portfolio for evaluation at the end of the year. This is a College equivalent studio course, which expects high quality output, investigation, self-motivation, self-discipline, and the development of work in and outside the classroom. This course has been developed to accommodate the student who has expressed an interest in completing the AP Drawing Portfolio Exam. This course enables students to develop mastery in concepts, composition, and execution of drawing skills. This is a rigorous, college-level experience. Each student must submit the AP Exam Portfolio during the second semester on the day and date set by The College Board. *Students are required to complete assignments on time throughout the summer. Barring compelling reasons, students who do not complete the summer assignments on time will not be permitted to remain enrolled in the course.*

<b>610</b>	<b>ART 1 (P) (Semester)</b>	Grades 9, 10, 11, 12
	Prerequisites and Required Resources:	Laptop or notebook computer or iPad \$60 fee for supplies and teacher-curated resources

Art 1 is a studio course that provides students opportunities to practice and master a variety of creative techniques, visual vocabularies, and media used in drawing, printmaking, basic design and painting. Students study periods of art and techniques developed throughout history, and apply their understanding of those periods and techniques to works of art. Students apply objective criteria to the creation of their own art during class critiques. Student mastery is demonstrated in projects, quizzes, tests, and a student created portfolio.















*compelling reasons, students who do not complete the summer assignments and who do not turn them in on time, will not be permitted to remain enrolled in the course.*

**410 S FRENCH 1 (P) Year** Grades 9, 10, 11, 12  
Prerequisites and Required Resources: Laptop or notebook computer or iPad

This course is designed for students with little or no previous exposure to the French language. The goal of the course is to provide students opportunities to begin to build speaking, listening, writing, reading, and cultural proficiency skills in French through oral and written practice.

**411 S FRENCH 2 (P) Year** Grades 9, 10, 11, 12  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of French 1 with 75% or better

The goal of the course is to provide opportunities for students to continue building fluency on elementary structures, still emphasizing speaking, listening, writing, reading, and cultural proficiency as the goal of instruction. Students expand French vocabulary and oral proficiency.

**412 S FRENCH 3 (P) (Year)** Grades 10, 11, 12  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of French 2 with a 75% or better

The course provides students with opportunities to build on the elementary-intermediate structures mastered in French 2. The goal of the course is to provide students with extended opportunities to study more sophisticated structures while still emphasizing the five skills of language proficiency. Successful students demonstrate comprehensive base of intermediate-advanced structures, with a general knowledge of francophone culture.

**413 S FRENCH 3 HONORS (HP) (Year)** Grades 10,11  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of French 1 and French 2 with 85% or better

This course is designed for advanced students of French who wish to continue to build fluency in listening, speaking, writing, and reading skills at more accelerated pace than in French 3.

**414 S FRENCH 4 (P) (Year)** Grade12  
Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Successful completion of French 3 with 85% or better

This course is designed for highly fluent students. It offers students opportunities to engage in a comprehensive overview of grammar with an emphasis on culture, conversation, and presentations through skits, writing, and literary readings. Successful students will already have developed a comprehensive base of the intermediate and advanced structures and be prepared for intense study of grammar, writing and conversation.



Students practice listening and speaking activities; reading and writing activities will be introduced simultaneously. Students also study cultural topics.

<b>429 S</b>	<b>SPANISH 1 HONORS (P) (Year)</b>	Grades 9,10,11,12
Prerequisites and Required Resources:	Laptop or notebook computer or iPad At least two years of successful previous formal Spanish study <i>or</i> Satisfactory score on the placement exam. Students must demonstrate the ability to comprehend and produce oral and written Spanish at a high novice level.	

Incoming freshmen who wish to apply for admission to this course must take the SJHS Spanish Placement Exam, which includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension. To qualify for the class, the student must earn a 70% or better on four of the five target areas – oral/speaking skills, reading comprehension, writing skills, and listening comprehension.

This challenging course is designed for students who have previously studied Spanish or for speakers of Spanish who demonstrate an ability to comprehend and produce Spanish, but have little or no formal instruction. The course intends to provide opportunities for students to practice and improve their existing fluency in Spanish by expanding their knowledge of the language, facilitating more effective communication in reading, writing and speaking abilities and expanding on the cultural experience of the Spanish-speaking community.

<b>422 S</b>	<b>SPANISH 2 (P) (Year)</b>	Grades 9, 10,11,12
Prerequisites and Required Resources:	Laptop or notebook computer or iPad Successful completion of Spanish 1 with 75% or better	

Grade 9: Native speakers who have demonstrated an ability to comprehend and produce Spanish but have little or no formal instruction

Students must take the SJHS Spanish Placement Test, which includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension.

Students who earn a 70% or better on all 5 sections of the exam will qualify for this course or (2) non-native or native speakers who have successfully completed a one-year course in Spanish 1.

This course is designed to build on the skills students mastered in Spanish 1. Students have opportunities to practice and continue to build mastery in reading comprehension and grammar. Vocabulary building of everyday items, listening comprehension, and conversation play an important part in the course. During the second semester emphasis is on oral skills.



writing through the study of the basic elements of the sound system of the language, the basic language patterns, and the vocabulary. Students complete reading and writing activities. Students study a variety of cultural topics related to readings and other material presented in the lessons. Students review grammar and sample a variety of reading from Latin American/Hispanic readings in preparation for more advanced Hispanic/Latin American readings and composition. Students write brief and simple forms of narrative and essay throughout the year. Students continue to develop and refine grammar and language skills with increased emphasis on literature, discussion, composition, oral presentations, and culture.

### NON-DEPARTMENTAL COURSES

**The following courses are graded PASS/FAIL. Five credits are earned for each course, but the course is not calculated in the student's GPA. Only two semesters (a total of ten credits) of these courses can be counted as part of the needed 240 credits for graduation.**

**919 S OFFICE ASSISTANT (Semester) Grades 11, 12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Permission of Director of College and Career Counseling

This is a hands-on course in which students assist with clerical day-today tasks in the school office

**917 S TEACHER ASSISTANT (Semester) Grades 11,12**

Prerequisites and Required Resources: Laptop or notebook computer or iPad  
Permission of Department Chair of academic department in which student would like to serve..

Teachers do NOT request student assistants. The Department Chair assigns the student as needed to one or more teachers. Application forms for this course are available in the Academic Dean's Office. Teacher Assistants will be responsible for completion of any and all of the activities which have been identified by the department chairperson/teacher

## MATHEMATICS MATRICULATION TABLE

<b>CURRENT COURSE</b>	<b>CURRENT GRADE (AVERAGE OF BOTH SEMESTERS)</b>	<b>COURSE OPTIONS</b>
Algebra 1, Part 1	A, B, C, D	Algebra 1, Part 2
Algebra 1, Part 2	A, B, C	Geometry
Algebra 1, Part 2	D	Summer School
Algebra 1	A (93% or above)	Geometry Honors
Algebra 1	A-, B, C	Geometry
Algebra 1	D, F	Summer School
Geometry	A (90% or above)	Algebra 2 Honors
Geometry	A, B, C	Algebra 2
Geometry	D, F	Summer School Algebra 2, Part 1
Geometry Honors	A, B (85% or above)	Algebra 2 Honors
Geometry Honors	B-, C D	Algebra 2 Summer School
Algebra 2	A (90% or above)	Pre-Calculus Honors
Algebra 2 or	A, B, C+ (77% or above) C D	Pre-Calculus or Statistics Statistics Summer School



Algebra 2 Honors	A, B (85% or above)	Pre-Calculus Honors
Algebra 2 Honors	B-, C	Pre-Calculus or Statistics
Algebra 2 Honors	D	Summer School
Pre-Calculus	A (90% or above)	Introduction to Calculus, AP Calculus AB, AP Statistics, or Statistics
Pre-Calculus	B, C	Introduction to Calculus, Statistics
Pre-Calculus Honors	A	Introduction to Calculus, AP Calculus BC
Pre-Calculus Honors	A-, B	Introduction to Calculus, AP Calculus AB or AP Statistics
Pre-Calculus Honors	C	Statistics
Introduction to Calculus	A (90% or above) B, C	AP Calculus AB Statistics
AP Calculus AB	A, B	AP Calculus BC

**SCIENCE MATRICULATION TABLE**

<b>CURRENT COURSE</b>	<b>PREREQUISITES</b>	<b>COURSE OPTIONS</b>
<b>FRESHMEN</b>		
<b>Biology</b>	Algebra 1 (90% or above)	Honors Chemistry
	Algebra 1 (80% or above)	General Chemistry
	Algebra 1 84% or below	Survey of Physical Science
<b>Physical Science or None</b>	Algebra 1(90% or above)	Honors Chemistry
	Algebra 1 (85% or above)	General Chemistry
	Algebra 1 (80% or below)	Survey of Physical Science
	Algebra 1 (75% above)	General Biology
<b>SOPHOMORES</b>		
<b>Chemistry</b>	General Chemistry (90% or above) Honors Chemistry(85% or above)	Honors Biology
	General Chemistry (80% or above) Honors Chemistry(70% or above) General/Honors Chem Below 70%	General Biology General Biology Summer School
<b>Biology</b>	Algebra 1 (90% or above)	Honors Chemistry
	Algebra 1 (83% above)	General Chemistry
	Algebra 1 (below 83%)	Survey of Physical Science

Physical Science	A, B, C	General Biology
<b>JUNIORS/SOPHOMORES</b>		Science electives may be taken concurrently
<b>Biology AND Chemistry completed</b>	Pre-Calculus and Chemistry with grade of 90% or better  Concurrent enrollment in AP Calculus or AP Statistics	Honors Physics
	Honors Bio 89% or better AND Honors Chemistry OR General Biology AND General Chemistry 93% or above	AP Biology AP Chemistry
	Algebra 2 AND Chemistry 89% or above	Physics
<b>Biology AND Chemistry/Physical Science completed</b>	Biology, Chemistry OR Physical Science 85% or above at least a 85% in Algebra 2	AP Environmental Science
	At least 75% in Biology AND Chemistry	Anatomy & Physiology
	Biology 75% or better AND Chemistry/Physical Science 75%	Marine Biology