



Saint Joseph High School

5825 N. Woodruff Avenue

Lakewood, CA 90713

www.sj-jester.org

COURSE CATALOGUE

2019-20

SJHS GRADUATION REQUIREMENTS

In order to receive a diploma from Saint Joseph High School students must have a MINIMUM of 240 credits.
(6 classes each semester)

DEPARTMENTS	CREDITS	SPECIFIC COURSES
Religious Studies	One course each semester of attendance. (40 Credits)	9 Religion I
		10 Religion II
		11 Sacraments/Morality
		12 Two of the following: Christian Vocations, Peace & Justice, World Religions
English	40 Credits	9 English 1 10 English 2 11 English 3 12 English 4
Social Studies	30 credits	10 World History – 2 semesters 11 US History – 2 semesters 12 US Government/Economics
Mathematics	30 credits	
Science	20 credits	One year Biological Science One year Physical Science
World Languages	10 credits	Two years of the same
Visual and Performing Arts	10 credits	One year of the same
Physical Education/Health	10 credits (Class of 2022 & 2023)	15 credits for Class of 2020, 2021

ELECTIVES: Courses needed to complete the required number of credits. A maximum of only TEN CREDITS of the required 240 required to graduate may be taken in Teacher Aide, Office Assitant, and Lab Assistant.

Also required for graduation:

- Christian Service Hour Requirement = 105 total hours (7 semesters, minimum of 15 hours per semester)
- Senior Capstone interview (pass)
- Writing Formative Assessment (pass)

UNIVERSITY OF CALIFORNIA & CALIFORNIA STATE UNIVERSITY

THE UNIVERSITY OF CALIFORNIA SYSTEM

(Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara, and 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 or better:

A) History	2 years	<ul style="list-style-type: none">• One year of US History or one semester of US History and one semester of US Gov't.• One year of World History
B) English	4 years	
C) Mathematics	3 years	Algebra 1, Geometry, Algebra 2 (4 years recommended)
D) Laboratory Science	2 years	Biology, Chemistry, or Physics (3 years recommended)
E) Foreign Language	2 years	Two years of the same foreign language (3 years recommended)
F) Visual/Performing Arts	1 year	One year course in VPA
G) Advanced Courses	1 year	Chosen from the following areas: history, English, advanced math, laboratory science, foreign language, and social science

COURSE DESCRIPTIONS

P = Course meets UC/CSU requirements for admission.

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

AP = Advanced Placement Course

*****BUSINESS/COMPUTERS**

258 INTRODUCTION TO COMPUTER SCIENCE Semester Grades 9-12

PREREQUISITES: None

This course is designed to introduce the student to the field of computer science through learning specific software tools and programming languages. The course is designed to focus on the theoretical topics of digital literacy and digital citizenship. Students will also be introduced to topics such as design, applications, and social and ethical issues.

259 WEBSITE DESIGN, ILLUSTRATION, AND VIDEO PRODUCTION Semester Grades 9-12

PREREQUISITES: Introduction to Computer Science

This course is designed for students who are interested in media concepts and projects. Students will learn design skills and theory while creating projects that are integrated into computer illustration. Students will use programs such as InDesign, Illustrator, and Photoshop to create generated flyers and advertisements. Students will also learn video creation and editing.

260 AP COMPUTER SCIENCE PRINCIPLES Year Grades-11-12

PREREQUISITES: Algebra 2 with a grade B or better.

This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. Students learn about the internet, digital information, programming, data, and apply these concepts through creative projects. Students enrolled in this course will take the AP examination in the Spring semester.

*****ENGLISH**

144 S CONTEMPORARY LITERATURE (P) Semester Grades 11-12 (formerly 20th CENTURY LITERATURE; course name UC/CSU approval pending)

PREREQUISITES:

- JUNIORS: Successful completion of English 2 Honors and pass the Written Formative Assessment with an average of 84-73%
- SENIORS: Successful completion of English 3 and pass the Written Formative Assessment with an average of 90% **OR**
- SENIORS: Successful of completion of AP English Language and Composition and pass the Written Formative Assessment with an average of 74-73%
- Signature of current English teacher
- Signature of English Department Chairperson

Contemporary Literature is a semester-long course designed for the college bound student. It will focus on a spectrum of noted authors from the last half of the twentieth century to modern times. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works will be studied and analyzed. The course will also advance students' critical thinking and help them further gain confidence in their writing skills through the study of vocabulary, grammar review, and the writing process. Independent reading is required every quarter. In addition, students will review various types of research methods and will complete a research paper using the MLA format. Students will also gain confidence in their public speaking/oral presentation skills through several oral presentation projects. **Over the course of the semester, each student will take two Written Formative Assessments, which must be completed with a passing average of 73%. Students who do not pass the Written Formative Assessment MUST tell their Women's Literature instructor that they have yet to pass the Written Formative Assessment, which is a graduation requirement.**

131 S AP ENGLISH LANGUAGE AND COMPOSITION (HP) Year Grade 11

PREREQUISITES:

- Completion of English 2 Honors with a B (83%) or better for each semester and pass the Written Formative Assessment with an average of 85% **OR**
- Completion of English 2 with an A- (90 %) or better for each semester, earn a 90% average on all formal essays, and successful completion of the AP Language reading comprehension test and the writing diagnostic with at least an 80% (to be administered by the English Department chair)

- Signature of current English teacher
- Signature of English Department Chairperson
- Submission of AP Contract to academic advising office

AP English Language and Composition is a year-long college-level course designed to advance students in their ability to develop critical thinking skills and to further gain confidence in their writing skills through the study of vocabulary, grammar review, and the writing process. Reading selections are taken from British literature beginning with Anglo-Saxon period and ending with 21st-century selections. The course will include reading and discussion of fiction (novels, short stories, plays, poems, etc.) and nonfiction works. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting composition. Independent reading is required every quarter. In addition, students will conduct various forms of research and will complete a research project using the MLA format. Students will also gain confidence in their public speaking/oral presentation skills through several oral presentation projects. Students enrolled in this course will take the AP examination in the spring semester. **Students are required to complete all summer assignments. Deadlines for these assignments will vary, depending on the activity.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.* **Over the course of the school year, each student will take four Written Formative Assessments, which must be completed with a passing average of 75% in order to be considered for passage into AP English Literature and Composition. Students whose Written Formative Assessment average falls below the 74-73% MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School. Passing the Written Formative Assessment is a graduation requirement. This summer class must be taken before their senior year. Also, this summer course DOES NOT ALLOW for admittance into AP English Literature and Composition.**

141 S AP ENGLISH LITERATURE AND COMPOSITION (HP) Year Grade 12

PREREQUISITES:

- Completion of AP English Language and Composition with a B (83%) or better for each semester and pass the Written Formative Assessment with an average of at least a 75% **OR**
- Completion of English 3 with an A- (90%) or better for each semester, earn an average of 90% on all formal essays, and successful completion of the AP Literature reading comprehension and essay diagnostic test with at least an 80% (to be administered by the English Department Chair) **OR**
- Completion of Contemporary Literature and Women’s Literature with an A- (90%) or better for each semester, earn an average of 90% on all formal essays, and successful completion of the AP Literature reading comprehension and essay diagnostic test with at least an 80% (to be administered by the English Department Chair)
- Signature of current English teacher
- Signature of English Department Chairperson
- Submission of AP Contract to academic advising office

AP Literature and Composition is a year-long, college-level, literature-based course in the reading and critical analysis of all genres of literature, structured upon the gamut of theoretical approaches, from mimetic and pragmatic to expressive and objective. Because this is an AP course, areas of study are examined extensively and in detail, with an emphasis on writing. Students enrolled in this course will take the AP examination in the spring semester. The course encompasses the poetry, drama, fiction, and nonfiction of Western Europe and America. Independent reading is required every quarter. Students will engage in critical analysis of selected work through discussion, electronic communications, formal in-class essays, informal essays, essay examinations, and a thesis paper. Students will also engage in artistic, performance, and technology-based projects and activities. The study of selected works will include literary theory, research, vocabulary, literary terms, and historical background of periods, genres, and critical approaches. **Students are required to complete all summer assignments, which will be collected on the first day of class in the fall.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.* **Over the course of the school year, each student will take four Written Formative Assessments, which must be completed with a passing average of 75%. Students whose Written Formative Assessment average falls below the 74-73% MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School, before they can receive their diploma. Passing the Written Formative Assessment is a graduation requirement. This class must be taken after they graduate.**

147 CREATIVE WRITING (UC/CSU approval pending) Semester Grades 11-12

PREREQUISITE: None

This semester-long course focuses on reading and analyzing works of literary masters, contemporary authors, and student creative writing. It explores and examines methods and styles used in various genres, such as poetry and song lyrics, fiction, non-fiction, drama, film, and journalism. This course also offers intensive writing workshops in which students will learn to communicate effectively and creatively in their own writing of stated genres. Over the course of the semester, students will build and complete their own writing portfolio that may be used for college applications, writing contests, and for publication within and outside of their school.

110 ENGLISH 1 (P) Year Grade 9

PREREQUISITES: None

English 1 is a year-long course designed to advance students with their understanding of various literary genre (short story, novel, poetry) and an overview of literature to include Greek mythology, a Shakespearean play, and selected novels, nonfiction, and poetry. Independent reading is required every quarter. In addition, students will develop public speaking skills through several oral presentation projects, gain a thorough understanding of the writing process through writing exercises, and begin building their writing portfolios through lessons on sentence

structure/patterns, paragraph writing and instruction on the multi-paragraph essays. Students may transfer to English 1 Honors for the second semester if they fulfill the following requirements: 1) earn at least a 93% on their first semester report card for English I; 2) earn at least a 93% on the first semester practice Written Formative Assessment; 3) earn at least a 93% on the *Night/Maus* essay; and 4) receive a recommendation from their English I teacher. **Over the course of the school year, each student will take two practice Written Formative Assessments for freshmen in preparation for the graduation requirement beginning their sophomore year.**

111 ENGLISH 1 HONORS (P) Year Grade 9

PREREQUISITES: This course is open only to incoming freshmen students with high scores both in reading and language on the entrance exam and a record of high achievement in elementary school. Students who meet the following qualifications will be invited to enroll in English 1 Honors:

- Average of 80% or higher in the National Percentile scores for the Reading and the Language sections of the high school placement exam
- Academic record of B+ (87%) or higher in all language arts courses taken in seventh and eighth grade (reading, writing, grammar, spelling, vocabulary)
- Recommendation of the English Department based on the writing response sample given during the HSPT

The English 1 Honors class is a rigorous year-long course, which integrates the study of vocabulary, grammar, advanced literary selections, and essay writing. This course will provide students with an understanding of various literary genres (short story, novel, nonfiction, poetry) and an overview of literature to include Greek mythology, a Shakespearean play, and selected novels and poetry. Students will work independently and in cooperative groups to develop close reading skills, write multi-paragraph essays, and present their ideas in an articulate and interesting manner, both orally and in writing. Students will understand and utilize the writing process throughout the year. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting multi-paragraph essay. Independent reading is required every quarter. **Over the course of the school year, each student will take two practice Written Formative Assessments for freshmen, which must be completed with a passing average of at least an 83%. Students who do not pass the practice Written Formative Assessment will not qualify for admittance into English 2 Honors. They MUST also take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School. This summer class must be taken before their sophomore year. Also, this summer course DOES NOT ALLOW for admittance into English 2 Honors.**

120 ENGLISH 2 (P) Year Grade 10

PREREQUISITES: Successful completion of English 1

English 2 is a year-long course designed to advance students in their ability to develop critical thinking skills and to further gain confidence in their writing skills through the study of vocabulary, grammar review, and the writing process. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works from world literature will be studied and analyzed. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting multi-paragraph essay each quarter as part of the Written Formative Assessment for the sophomore level. Independent reading is required every quarter. In addition, students will be introduced to various types of research methods and will complete a research project using MLA format. Students will also gain confidence in their public speaking/oral presentation skills. **Over the course of the school year, each student will take four Written Formative Assessments, which must be completed with a passing average of 73%. Students who do not pass the Written Formative Assessment MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School, which is a grade level requirement. This class must be taken before their junior year.**

121 S ENGLISH 2 HONORS (P) Year Grade 10

PREREQUISITES:

- Successful completion of English 1 Honors with a B (83%) or better for each semester, earn an average of 90% on all formal essays, and pass the Written Formative Assessment for freshmen with an 83% **OR**
- Successful completion of English 1 with an A- (90%) or better for each semester and earn an average of 90% on all formal essays
- Signature of English I teacher

English 2 Honors is a year-long course designed to advance students in their ability to develop critical thinking skills and to further gain confidence in their writing skills through the study of vocabulary, grammar review, and the writing process. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works from American literature will be studied and analyzed. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting multi-paragraph essay. Independent reading is required every quarter. In addition, students will be introduced to various types of research methods and will complete a research paper project using the MLA format. Students will also gain confidence in their public speaking/oral presentation skills through several oral presentation projects. **Over the course of the school year, each student will take four Written Formative Assessments, which must be completed with a passing average of 85% in order to be considered for passage into AP English Language and Composition. Although they have passed the Written Formative Assessment required for graduation, students who earn an 84-73% MUST take Contemporary Literature and Women's Literature. Students whose Written Formative Assessment average falls below the 84-73% MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School. This summer class must be taken before their junior year. Also, this summer course DOES NOT ALLOW for admittance into AP English Language and Composition.**

130 ENGLISH 3 (P) Year Grade 11

PREREQUISITES: Successful completion of English 2

English 3 is a year-long course designed to advance students in their ability to develop critical thinking skills and to further gain confidence in their writing skills through the study of vocabulary, grammar review, and the writing process. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works from American literature will be studied and analyzed. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting multi-paragraph essay. Independent reading is required every quarter. In addition, students will be introduced to various types of research methods and will complete a research paper project using the MLA format. Students will also gain confidence in their public speaking/oral presentation skills through several oral presentation projects. **Over the course of the school year, each student will take the Written Formative Assessments for juniors, which must be completed with a passing average of 73%. Students who do not pass the Writing Formative Assessment MUST take the Writing Formative Assessment class, a two-week summer course at Saint Joseph High School, which is a grade level requirement. This class must be taken before their senior year.**

140 ENGLISH 4 (P) Year Grades 12

PREREQUISITES: Successful completion of English 3

English 4 is a year-long course designed to advance students in their ability to develop critical thinking skills and to further gain confidence in their writing skills through the study of vocabulary and the writing process. Reading selections are taken from British literature beginning with the Anglo-Saxon period and ending with selections from contemporary literature. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works will be studied and analyzed. The emphasis of this course is to ensure that all students are familiar with the writing process and are able to write a clear, organized, and interesting composition. Independent reading is required every quarter. In addition, students will conduct various forms of research and will complete a research paper project using the MLA format. **Over the course of the school year, each student will take four Written Formative Assessments for seniors, which must be completed with a passing average of 73%. Students who do not pass the Written Formative Assessment MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School, which is a graduation requirement. This class must be taken before they receive their diploma.**

143 S WOMEN'S LITERATURE (P) Semester Grades 11-12

PREREQUISITES:

- JUNIORS: Successful completion of English 2 Honors and pass the Written Formative Assessment for sophomores with an average of 84-73%
- SENIORS: Successful completion of English 3 and pass the Written Formative Assessment for juniors with an average of 90% **OR**
- SENIORS: Successful of completion of AP English Language and Composition and pass the Written Formative Assessment for juniors with an average of at least a 74-73%
- Signature of current English teacher
- Signature of English Department Chairperson

Women's Literature is a semester-long course designed for the college-bound student. It will focus on a broad spectrum of noted female authors from a variety of periods in literature and backgrounds. Selections of fiction (novels, short stories, plays, poems, etc.) and nonfiction works from women's literature will be studied and analyzed. The course will also advance students' critical thinking skills through the study of vocabulary, grammar review, and the writing process. Independent reading is required every quarter. In addition, students will review various types of research methods and will complete a research paper using the MLA format. Students will also gain confidence in their public speaking/oral presentation skills through several oral presentation projects. **Over the course of the semester, students will take two Written Formative Assessments, which must be completed with a passing average of 73%. Students who do not pass the Written Formative Assessment MUST take the Written Formative Assessment class, a two-week summer course at Saint Joseph High School. Passing the Written Formative Assessment is a graduation requirement. For seniors, this class must be taken after they graduate. For juniors, this class must be taken before their senior year.**

149 S YEARBOOK Year *ELECTIVE* Grades 11-12

150 S YEARBOOK Semester *ELECTIVE* Grades 11-12

PREREQUISITES:

- Student must apply for a position and provide a sample of her writing along with three creative photographs to the Yearbook teacher
- All applicants must have a grade of C or better in their current English class
- Signature of current Yearbook teacher

This course focuses on the publication of a high school yearbook. Its focus is on learning basic journalism and editing skills, news writing, graphic design, page design, and photojournalism. **Extensive writing and time commitment are 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 *ELECTIVE* Grades 11-12

PREREQUISITES: None (\$25 Fee + Textbook)

This course is designed to cover the physical, emotional and mental development of the child from pregnancy through childhood years. Students will be introduced to some theories of child psychology and various techniques in child rearing practices.

506 **CULINARY ARTS** (formerly Foods/Nutrition) Semester *ELECTIVE* Grades 9-12

PREREQUISITES: None (\$75 Fee, no book)

Through a hands-on curriculum, students will be introduced to basic kitchen and cooking skills with the opportunity to prepare a wide variety of cuisines. Students will learn the importance of food sanitation, kitchen safety and will be introduced to professional career opportunities in the restaurant and hospitality industries.

505 **CONSUMER ECONOMICS** (formerly **LIVING ON YOUR OWN**) Semester *ELECTIVE* Grades 11-12

PREREQUISITES: None

This course is designed to acquaint students with the decisions related to finding a job and earning money, purchasing food and clothing, housing, buying a car, banking and investments, paying taxes, and other choices they will be expected to make in everyday life. The major objective of the course is to help each student become a more intelligent consumer. (Calculator required.)

*****MATHEMATICS**

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

PREREQUISITES: Saint Joseph High School Placement Test

Algebra 1 covers all the essentials of first year Algebra and includes significant work with statistics, probability and geometry. Real world applications are provided throughout this course. (TI-84 series calculator is required.)

202 **ALGEBRA 1, PART 1** Year Grades 9-10

203 **ALGEBRA 1, PART 2** Year Grades 9-10

PREREQUISITES: Saint Joseph High School Placement Test

This is a two-year course covering the same topics as Algebra 1 with an emphasis on pre algebra during the first quarter. This class is primarily designed for the student who needs to proceed at a slower pace. Completion of the two years will meet the college requirement for Algebra.

221 S **ALGEBRA 2** (P) Year Grades 10-12

PREREQUISITES:

- Algebra 1 and Geometry with a minimum grade of C
- Signature of current math teacher

This course uses algebraic expressions and sentences to model real world situations; includes linear, quadratic, exponential, logarithmic, trigonometric and polynomial functions. (TI-84 graphing calculator required.)

220 S **ALGEBRA 2 HONORS** (P) Year Grades 10-12

PREREQUISITES:

- Geometry Honors with an overall grade of 85% or higher
- Geometry with a grade of 96% or above and test average of 96
- Signature of current math teacher

Honors course designed for high ability math students. This course will cover the same topics as Algebra 2, but with greater depth and at a more rapid pace. (TI-84 graphing calculator required.)

222 S **ALGEBRA 2 PART 1** Year Grades 11-12

223 S **ALGEBRA 2 PART 2** Year Grade 12

PREREQUISITES:

- Algebra 1 and Geometry
- Signature of current math teacher

This is a two year course covering the same topics as Algebra 2 (P). This class is designed for the student who needs to proceed through Algebra 2 at a slower pace. Completion of the 2 years will meet the college requirement for Algebra 2. (TI-84 graphing calculator required.)

233 S **AP CALCULUS AB** (HP) Year

PREREQUISITES:

- Pre-Calculus Honors with a minimum grade of 85% OR Pre-Calculus with a minimum grade of 96% with test average of 96
- Signature of current math teacher
- Submission of AP Contract to academic advising office

This course is the first semester of college calculus, designed to meet the lower division university and four year college requirements. Topics included are limits, differentiation and integration of algebraic and trigonometric functions with applications. The necessary topics of analytic

geometry are presented as needed to proceed with the principles of Calculus. (TI-84 graphing calculator required.) 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

243 S AP CALCULUS BC (HP) Year Grades 10-12

PREREQUISITES:

- Pre-Calculus Honors with a minimum grade of 96% OR AP Calculus AB with a grade of 85%
- Signature of current math teacher
- Submission of AP Contract to academic advising office

AP Calculus BC explores the key concepts, methods, and applications of single-variable calculus including functions, graphs, limits, derivatives, integrals, and the Fundamental Theorem of Calculus, as well as additional topics in differential and integral calculus, such as parametric, polar, and vector functions and series. (TI-84 graphing calculator required.) 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

235 S AP STATISTICS (HP) Year Grade 12

PREREQUISITES:

- Pre-Calculus with a 90% or Pre-Calculus Honors with an 85%
- Signature of current math teacher
- Submission of AP Contract to academic advising office

The purpose of the AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, Statistical Inference. (TI-84 graphing calculator required.) 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.* (TI-84 graphing calculator required.)

211 S GEOMETRY (P) Year Grades 9-12

PREREQUISITES:

- Score 70% or higher in the Saint Joseph High School Geometry Readiness Test
- Complete the full-year course of Algebra 1 with a minimum grade of C (70%)
- Signature of current math teacher

This course integrates synthetic, coordinate and transformational approaches to geometry; reinforces and extends knowledge of algebra; and develops an understanding of proof. Real world applications are provided throughout. (TI-84 series calculator is required.)

210 S GEOMETRY HONORS (P) Year Grades 9-10

PREREQUISITES:

- Score 90% or higher in the Saint Joseph High School Geometry Readiness Test
- Complete the full-year course of Algebra 1 with a grade of A (96% or above) and test average of 96
- Signature of current Math teacher

Honors course designed for high ability mathematics students. This course will cover the same topics as Geometry, but with greater depth and at a more rapid pace. (TI-84 series calculator is required.)

232 S PRE-CALCULUS (P) Year Grade 11-12

PREREQUISITES:

- Algebra 2 with minimum grade of 77% (C+)
- Signature of current math teacher

Pre-Calculus is a college preparatory course intended for students who have successfully completed Algebra 1, Geometry and Algebra 2. Topics include functions and their graphs, trigonometry, polar coordinates and complex numbers, conics, exponential and logarithmic functions. (TI-84 graphing calculator required.)

231 S PRE-CALCULUS HONORS (HP) Year Grade 11- 12

PREREQUISITES:

- Algebra 2 Honors with a grade of 85% or higher OR Algebra 2 with a grade of 96% or higher and test average of 96
- Signature of current math teacher

Pre-Calculus Honors is a college preparatory course intended for highly motivated students. It is a rigorous course designed to develop the skills necessary to advance to calculus. The course includes the following topics: relations and functions, trigonometry, polar coordinates and complex numbers, conics, logarithmic and exponential functions, discrete math and intro to calculus. (TI-84 graphing calculator required.)

234 S STATISTICS (P) Year Grades 11-12

PREREQUISITES:

- Algebra 2 with a minimum grade of C
- Signature of current math teacher

Statistics is the science of collecting, describing, and interpreting data. This course introduces the student to basic statistical terms, types of statistics, and sampling techniques. The student will analyze data using various statistical techniques and produce and interpret data using probability techniques and statistical inference. (TI-84 graphing calculator required.)

*****PHYSICAL EDUCATION/HEALTH**

905 PHYSICAL FITNESS Semester (Class of 2020, 2021)

PREREQUISITES: Sports & Fitness

This class is designed to tone muscles, increase flexibility, inspire movement and develop cardiovascular endurance while participating in a variety of fitness activities. The class will include mat Pilates, strength training, weight training, fitness dance as well as vigorous aerobic and anaerobic exercises. Students will learn and apply the benefits of exercise and nutrition to promote an active daily lifestyle. Physical education uniform and appropriate training shoes are required. Fulfills the second semester of the PE requirement.

910 HEALTH Semester (Class of 2020, 2021)

PREREQUISITES: None

This course is an introduction to personal health strategies. As young adults, students learn to take responsibility for their own health by learning to make mature decisions in 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 PE/Health (Required for Grade 9) Year Class 2022, 2023

PREREQUISITES: None

This course introduces rules, strategies and techniques of different sports including basketball, football, soccer, softball, and volleyball. This class will also include physical fitness testing, weight lifting, and aerobic exercise. Students must purchase and wear the school P.E. uniform. Aerobic shoes or cross training shoes and proper supportive garments (such as sports bras) must be worn to class daily. Health will introduce students to personal health strategies, understanding of the body systems and disease, stress reduction and mental health, personal hygiene, nutrition, substance abuse and reproduction, and making wise, healthy choices now and in the future.

900 SPORTS AND FITNESS Semester Grades 11-12, Class of 2020, 2021

PREREQUISITES: None

This course introduces rules, strategies and techniques of different sports including basketball, football, soccer, softball, and volleyball. This class will also include physical fitness testing, weight lifting, and aerobic exercise. Students must purchase and wear the school P.E. uniform. Aerobic shoes or cross training shoes and proper supportive garments (such as sports bras) must be worn to class daily. *(Note: This class is for juniors or seniors who have not yet fulfilled the required physical education credits.)*

*****RELIGIOUS STUDIES**

711/712 **RELIGION 1** (Required) Year Grade 9

PREREQUISITES: Personal digital device

711 RELIGION 1/SACRED SCRIPTURE (Semester 1)

This course implements semester one of the American Bishops' elements of curriculum framework. Through a study of sacred scripture, both Hebrew and Christian testaments, the students will come to know Jesus Christ more deeply and understand His teachings more fully

712 RELIGION 1/CHRISTOLOGY (Semester 2)

This course implements semester two of the American Bishops' elements of curriculum framework. Through a study of his life, ministry, and mission, students will better appreciate and understand the dual nature of Christ. Starting with the lived experience of the students, they will be challenged to make their lives a lived response to the call to discipleship.

721/722 **RELIGION 2** (Required) Year Grade 10

PREREQUISITES: Personal digital device

721 RELIGION 2/THE MISSION OF CHRIST (Semester 1)

Through this course of study, the student will learn that God's plan of eternal life for us, His children, is accomplished through the redemption that Christ has won for us. Students will learn what it means to be a disciple of Christ and what living a life of discipleship truly means.

722 RELIGION 2/CHRIST'S CHURCH (Semester 2)

Through this course of study, students will learn about the sacred nature of the 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.

732 **RELIGION 3/SACRAMENTS** (Required) Semester Grade 11

PREREQUISITES: Personal digital device

The purpose of this course is to help the student to understand and value that they can encounter Christ today in a full and meaningful way in and through the Sacraments, especially the Eucharist. The student will explore and examine each of the seven sacraments in detail so as to grow in intimacy with Christ and in their ability to encounter and live their relationship with Christ throughout life as members of the Church.

734 **RELIGION 3/MORALITY** (Required) Semester Grade 11

PREREQUISITES: Personal digital device

The purpose of this course is to help the student to understand that it is only through Christ that they can fully live out God's plans for their lives. The 10 commandments are presented as guideposts to living as children of God, and the student is introduced to the moral concepts and other laws of the Church that guide them in living as Christ's disciple.

740 **RELIGION 4/CHRISTIAN VOCATIONS** Semester Grade 11 & 12

PREREQUISITES: Personal digital device

This course deals with the call of all Christians to make a life commitment to Christ through various avenues: Christian marriage, "religious" life, and single Christian life. The emphasis of the course will be the process which makes it possible for one to make responsible decisions regarding her response to Christ's call "Follow Me."

731 **RELIGION 4/PEACE & JUSTICE** Semester Grade 12

PREREQUISITES: Personal digital device

This course is based on the seven thematic social teachings of the Catholic Church. Founded in scripture, the themes are derived from church documents on social issues of the 20th and 21st centuries. Students will analyze current global injustices in light of these themes and problem-solve an action plan to aid the victims. This course is group based, digitally focused and interactive.

741 **RELIGION 4/WORLD RELIGIONS** (P) Semester Grade 12

PREREQUISITES: Personal digital device

This is a survey course of the world's great religions as humanity's most significant attempts to comprehend the mystery of life. Taking the Church's ecumenical stance, religions are explored for their significant contributions to man's understanding of the Divine. Students explore the theology, practices and values of eastern and western religions. This course develops critical thinking and evaluations skills through a student centered, interactive environment, which includes time with software and the Internet.

715 INTRODUCTION TO CATHOLICISM Semester Grades 9-12

PREREQUISITES: Personal digital device

- No formal education in the Catholic Faith
- Incoming Freshmen and transfer students

This is a one semester class for non-Catholics or Catholics who have not received formal training in the Catholic Faith.

It is designed to be an overview course which builds a basic background of teachings and vocabulary and empowers students to do well in their succeeding Religion courses. Topics include: the Creed, the Mass and prayer forms, Scripture, Jesus Christ and the Saints.

***SCIENCE

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

PREREQUISITES:

- One year each of Biology and of Chemistry
- Minimum GPA of 2.8
- Signature of Anatomy and Physiology teacher

Anatomy and Physiology is a lab course. It will cover 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:

- A grade of B+ or better in Honors Biology and Honors Chemistry
- A grade of A in both General Biology and General Chemistry
- Minimum GPA of 3.40
- Signature of AP Biology teacher
- Completion of all summer assignments. First assignment must be turned in by due date (July TBD) or student will be dropped from class.

AP 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. Course discussions will expand upon students' prior knowledge of biochemistry, cellular biology, genetics, evolution, organismal biology, and ecology. Students who are interested in pursuing a career in the biological sciences are strongly encouraged to enroll, as the expectations of the course are based on those of a college environment. 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 will take the AP examination in the spring semester.

334 S AP CHEMISTRY (HP) Year Grades 11-12

PREREQUISITES:

- One year of high school chemistry (A in General Chemistry or B+ in Honors Chemistry)
- Completion of Algebra 2 with a final grade of B+ or better
- Minimum GPA of 3.60
- Signature of AP Chemistry teacher
- Completion of all summer assignments. First assignment must be turned in by due date (July TBD) or student will be dropped from class.

AP Chemistry focuses on the application of conceptual and mathematical models to six overarching concepts: structure of matter, bonding and intermolecular forces, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. This course is recommended for students who plan on pursuing the sciences in higher education, as the material and assessments are aligned to those of a college-level General Chemistry course. All students will be challenged intellectually and academically, and are expected to exercise the academic behaviors reflective of a responsible college student. Students enrolled in this course will take the AP examination in the spring semester.

327 S AP ENVIRONMENTAL SCIENCE (HP) Year Grades 11-12

PREREQUISITES:

- Completion of Biology, Chemistry/Physical Science, and Algebra 2 with a B or better
- B or better in current English course
- Minimum GPA of 3.2
- Signature of AP Environmental Science teacher
- Completion of all summer assignments. First assignment must be turned in by due date (July TBD) or student will be dropped from class.

AP Environmental Science is designed to be the equivalent of a one-semester introductory college course in environmental science. This is a laboratory course that stresses the scientific process and analysis of various disciplines, such as geology, biology, chemistry, geography and environmental studies, as they relate to environmental science. Topics include the nature of energy, ecology, resource use and sustainability. Students enrolled in this course will take the AP examination in the spring semester.

336 S **AP PHYSICS 1** Year Grades 11-12

PREREQUISITES:

- Completion of Pre-Calculus and Chemistry with grade of A
- Concurrent enrollment in Calculus
- Minimum GPA of 3.00
- Signature of Physics teacher

AP Physics 1 explores the principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. 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.**

361 **ENGINEER YOUR WORLD (P)** Year Grades 9 – 12 (UC/CSU “G” approved, “D” is pending approval)

Engineer your world is a lively, hands-on STEM course, for students who want to learn about engineering and its role in shaping our world. The curriculum was developed by the Cockrell School of Engineering and NASA engineers. The specially trained Engineer Your World teacher guides students in performing authentic engineering practices in an innovative project-based environment. Students in the class complete a series of socially relevant design challenges to develop engineering design skills and engineering habits of mind.

362 **ENGINEER YOUR WORLD 2** Year Grades 9 – 12 (UC/CSU approval pending)

PREREQUISITES: Completion of ENGINEER YOUR WORLD

EYW II: 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 9-12

PREREQUISITES:

- Students must have a 2.50 GPA
- Incoming Freshmen must have a 3.50 GPA

General Biology is a lab course which covers the scientific method, the cell theory, genetics, evolution, and ecology.

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

PREREQUISITES:

- Juniors: C or better in Algebra 1. Minimum GPA of 2.50
- Sophomores: B or better in Algebra 1
- Minimum GPA of 3.00
- Signature of any Science Department teacher or Academic Advisor

General Chemistry is a laboratory course designed to introduce the student to 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 11-12

PREREQUISITES:

- Minimum GPA of 3.8
- A or A- in General Chemistry or B or B- in Honors Chemistry or
- Signature of Science Department Chairperson

Honors Biology is a laboratory course that is designed to be the equivalent of a college introductory course taken by non-majors. It covers the 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 10-12

PREREQUISITES:

- B or better in Algebra 1 Honors or A- or better in Algebra 1
- Minimum GPA of 3.8
- Signature of Science Department Chairperson

Honors Chemistry is a laboratory course for the above average college-prep student. It introduces her to 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:

- Completion of Pre-Calculus and Chemistry with grade of A
- Concurrent enrollment in either Calculus (preferred) or AP Statistics
- Minimum GPA of 3.00
- Signature of Honors Physics teacher

Honors Physics is a laboratory course for the above average college-prep student anticipating a science major in college. Physics is a course studying the 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 Grade 11-12

PREREQUISITES:

- One year of biological science and one year of physical science
- Minimum GPA of 2.8
- Signature of Marine Biology teacher

This one-year science course is designed for those students who are interested in the field of marine biology. The marine environment and the organisms that inhabit it will be studied in detail. In addition, students will learn the close relationship between marine life and daily human life.

341 S PHYSICS (P) Year Grades 11-12

PREREQUISITES:

- Completion of Algebra 2 and Chemistry with grade of B
- Concurrent enrollment in Precalculus
- Signature of Physics teacher

Physics is a course studying the 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:

- Science course completed with a C or better
- Signature of department chairperson

Students as lab assistants are given the opportunity to assist in a science lab and learn the techniques of this field.

332 S SURVEY OF PHYSICAL SCIENCE (P) Year Grades 9-12

PREREQUISITES:

- Not recommended for students with GPA above 2.50
- Signature of Science Department Chairperson

This is an introductory level course, which covers 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 a C or better may not subsequently take Survey of Physical Science.

***SOCIAL STUDIES

842 S AP GOVERNMENT (HP) Year Grade 12

PREREQUISITES:

- B or better in **both** semesters in US History and a B or better in **both** semesters of English III/AP English Language and Composition
- Signature of current U.S. History teacher
- Submission of AP Contract to academic advising office

This course will satisfy the senior American Government requirement. Students will still need to take the required Economics course. This course in US Government and politics is designed to give students a critical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, group beliefs, and ideas that make up the United States political reality. 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

847 S AP PSYCHOLOGY (HP) Year Grades 11-12

PREREQUISITES:

- B+ or better in both semesters of English OR B- or better in both semesters of AP English
- A- or better in Biology or B+ in Honors Biology both semesters
- Signature of current AP Psychology teacher – Recommendation pending workshop (early May) for non-qualifying grades
- Submission of AP Contract to academic advising office

This course is designed to introduce students to an advanced study of the behavior and mental processes of human beings and animals. The aim will be to provide students with learning experiences equivalent to those in most college introductory courses. 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

832 S AP UNITED STATES HISTORY (HP) Year Grade 11

PREREQUISITES:

- B or better in both semesters of World History and English II OR a B in English II Honors and a B or better in AP World History
- Signature of current history teacher
- Submission of AP Contract to academic advising office

This is an accelerated course for the above average college prep student in American History. The course covers colonization through 21st Century America. This course will satisfy the junior American History requirement. 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.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

822 S AP WORLD HISTORY (HP) Year Grade 10

PREREQUISITES:

- A- or better in both semesters of English I or B+ or better in both semesters of English I Honors
- Students must pass a writing placement exam and a diagnostic test administered by the department
- Submission of AP Contract to academic advising office
- Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. There will be a check in halfway through the summer.

AP World History is an academic yearlong course that is meant to be the equivalent of a freshman college course and can earn students college credit. This course covers the history of the world from approximately 1200 C.E. to the present. The course examines the history of human experience from a global perspective. It stresses the linkage between people and states formed through trade, the migration of people and ideas, the mobilization of mass society, revolutions, and the impact of technology upon humankind. 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 who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

843 ECONOMICS (Required) (P) Semester Grade 12

PREREQUISITES: None. (For Zero Period, an additional fee is required. See listing below for details.)

This is a one-semester survey of economics with instruction on microeconomics, macroeconomics, global economics and personal finance. A survey of contemporary economic systems will be covered 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: None

This course deals with the general study of basic psychological theories and theorists. It is designed to give students a better understanding of human behavior and includes some study of behavior patterns and modifications, as well as mental health. Students taking psychology are encouraged to enroll in sociology the following semester.

848 SOCIOLOGY (P) Semester Grades 11-12

PREREQUISITES: None

Sociology is a semester-long course designed to introduce basic concepts and theories concerning the relationship between individuals and society. Topics include social norms, family, group relations, social change, stratification and institutions. Contemporary society and its problems are discussed. 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: United States History. (For Zero Period, an additional fee is required. See listing below for details.)

This is a one-semester course that focuses on the foundations and structure of the American government. Historical, social, cultural, and religious perspectives will be paid to the philosophy and values of the Founding Fathers, the three branches of government, and the behavior 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: Modern World History I & II

This is a required survey course in United States History. This course covers the development of the Constitution, growth of democracy, rise of sectionalism and the problems of the Civil War, the Reconstruction Period, extending through World War I.

831 UNITED STATES HISTORY PART II (P) (Required) Semester Grade 11

PREREQUISITES: United States History Part I

This is the second part of the required survey course in United States History. This course covers the growth of industrialization and the United States as a world power in the 20th Century.

820 WORLD HISTORY I (P) (Required) Semester Grade 10

PREREQUISITES: None

This is a survey course in Modern World History. It begins with a look at ancient Greece and Rome, and then focuses on the history of the world examining the emergence of modern nations, industrialism and nationalism.

821 WORLD HISTORY II (P) (Required) Semester Grade 10

PREREQUISITES: None

This is the second part of the required survey course in World History. This course covers World War I to the present day. All regions of the world are studied.

*****VISUAL AND PERFORMING ARTS**

626 S AP ART HISTORY (HP) Year Grades 11-12

PREREQUISITES:

- Completion of Visual and Performing Arts requirement
- B or higher in English
- Signature of AP Art History teacher
- Submission of AP Contract to academic advising office

AP Art History is a year-long, college-level course intended to provide an introduction to art in the Western and Non-Western traditions. It is designed as a preparatory class for students to take the AP Art History exam offered by the College Board. Students develop a visual literacy of artwork throughout human history from the ancient world through the 20th Century. This interdisciplinary course focuses on the nature of art history and places specific works of art (Mandatory 250 artworks) within social, cultural, historical and political contexts of the art historical period in which it was created. Students learn how to interpret, analyze major forms of artistic expression including, but not limited to sculpture, architecture, painting, photography, and print not just as a form of expression including, but as a reflection of human history. The course develops students' critical thinking, writing and interpretive skills across the curriculum. There is writing component to this course and AP exam. 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. Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of the second semester.

609S AP STUDIO ART: DRAWING (HP) Year Grades 11-12

PREREQUISITES:

- One year of previous art study
- Signature of current AP Studio Art teacher
- Submission of AP Contract to academic advising office
- \$100 per semester fee for materials

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 standards, 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 student to develop mastery in concepts, composition, and execution of drawing skills. This is a rigorous, college-level experience. **Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. During the year, after-school attendance at the Studio Enrichment on Mondays or Thursdays, from 2:30 to 4:00 p.m. is highly recommended for further development of the Breadth Component. Each student must submit the "AP Exam" Portfolio.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.* The student is encouraged to take the summer school AP Prep Art Studio course offered in the summer.

608S AP STUDIO: 2-D DESIGN (HP) Year Grades 10-12

PREREQUISITES:

- One year of previous art study (or permission of Art teacher)
- Signature of current AP Studio Art teacher
- Submission of AP Contract to academic advising office
- \$100 per semester fee for materials

AP Studio: 2-D Design is designed for the student who is seriously interested in the practical experiences of art or considering a future in the field. AP Studio: 2-D Design is based on a portfolio of works produced throughout the year and the completed Quality, Breadth, and Concentration section (24 works total). Works are evolved from discussions of ideas and from drawings of ideas in a sketchbook. This is a College equivalent studio course, which expects high quality standards, investigations, self-motivation, self-discipline, and the development of works in and outside the classroom. Through the portfolio, the students are asked to demonstrate understanding of 2-D design through any two-dimensional medium or process, including, but not limited to graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. The elements and principles of design will guide artists in making decisions about how to organize an image on a picture plane in order to communicate content; whether the student uses representational or abstract approaches to art. Artistic integrity is applied to the student's works of art. **Students are required to complete all summer assignments, which will be collected on the first day of class in the fall. During the year, after-school attendance at the Studio Enrichment on Mondays or Thursdays, from 2:30 to 4:00 p.m. is highly recommended for further development of the Breadth Component. Each student must submit the "AP Exam" Portfolio.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.* The student is encouraged to take the summer school AP Prep Art Studio course offered in the summer.

610 ART 1 (P) Semester Grades 9-12

PREREQUISITES: None (\$40 Fee - no textbook)

Art 1 is a studio course designed to introduce the student to a variety of techniques, visual vocabularies and media used in drawing, printmaking, basic design and painting. Students are introduced to periods of art and techniques developed throughout history, and are expected to analyze and respond to these works of arts. The students will be expected to apply objective criteria to the creation of their own art during class critiques. Students will be evaluated through projects, quizzes, and tests. Students will complete a semester portfolio.

611 ART 2 (P) Semester Grades 9-12

PREREQUISITES: Completion of Art 1 or signature of teacher (\$40 Fee - no textbook)

Art 2 is a studio course designed to introduce the student to a variety of techniques, visual vocabularies and media used in drawing, printmaking, basic design and painting. Students are introduced to periods of art and techniques developed throughout history, and are expected to analyze and respond to these works of arts. The students will be expected to apply objective criteria to the creation of their own art during class critiques. Students will be evaluated through projects, quizzes, and tests. Students will complete a semester portfolio.

645 ART 3 Semester Grades 10-12

646 ART 4 Semester Grades 10-12

PREREQUISITES: See Art Teacher (\$40 fee per semester)

Art 3 and 4 Design will explore other aspects of 2-D design and a variety of media and techniques. Students may explore design fashion and graphic design. Students will critique their own and other student's works of art. Students will have a complete portfolio.

640 DANCE 1 (P) Semester Grades 9-12

PREREQUISITES: None (\$25 Fee)

Students **must** purchase a pair of pink ballet shoes and black dance/jazz/yoga pants and either a black leotard or black tank top. Dance involves student participation in various aspects of movement. The student will develop aesthetic perception and valuing, creative expression, and will study dance heritage. The goals will be accomplished by assignments and performances throughout the course. Expression and exploration of dance style and forms will take place through creative development of space, time and energy. Subjects covered will be kinesiology of major muscles, vocabulary, classes in ballet, modern and jazz, social and political influences on dance, and choreography. (Under special circumstances and with administrative approval, this course may count in the waiver process for second semester P.E. credit.)

641 DANCE 2 (P) Semester Grades 9-12

PREREQUISITES: One semester of Dance 1 or the signature of the instructor (\$25 Fee + Textbook)

Students **must** purchase a pair of pink ballet shoes and black dance/jazz/yoga pants and either a black leotard or black tank top. A continuing class designed for the students who desire increased technical performance and quality. Subjects covered will be: vocabulary, classes in ballet, modern and jazz, dance history, elements of a theatrical production, and careers in dance. Students will work as a "company" to create a full dance performance. (Under special circumstances and with administrative approval, this course may count in the waiver process for second semester P.E. credit.)

642 DANCE 3 Semester Grades 10-12

643 DANCE 4 Semester Grades 10-12

PREREQUISITES: Dance 1 and 2 or permission from the instructor (\$25 fee per semester)

Dance 3 and 4 will expose students to a variety of dance styles including: jazz, modern, contemporary, self-choreography, ethnic dance forms, as well as intermediate/advanced choreography concepts. The class will begin to examine how dance has shaped society, how it has developed throughout the years and about some of the greatest legends of dance.

Through classroom exercises students will achieve an understanding of technique, refine rhythm and timing, begin to adapt to various dance styles while focusing on performance skills at the same time. Along with learning various concepts of dance movement, Dance 3 and 4 will have the opportunity to show their own creative work using the Dance 1 and 2 students to showcase in the Dance Performance.

630 DRAMA 1 (P) Semester Grades 9-12

PREREQUISITES: None (\$25 Fee - no textbook)

Drama 1 is a one-semester course designed to introduce students to the art and craft of live performance. Topics include the tools of an actor, the design process, costume design, theatre history, and dramatic criticism. Students will present scenes, design costumes, see productions, and participate in a variety of tasks associated with production.

631 DRAMA 2 (P) Semester Grades 9-12

PREREQUISITES: Completion of Drama 1 (\$25 Fee - no textbook)

Drama 2 builds on the techniques of Drama 1 to explore scene study, Shakespeare, and improvisation. Special attention is paid to the role of the director as leader of the production process. Students will also design sets and learn theatrical make-up skills. After attending productions, students are then required to take on a production role in a showcase of scenes.

633 DRAMA 3 P Semester Grades 10-12

634 DRAMA 4 P Semester Grades 10-12

PREREQUISITES: completion of Drama 1 and 2 with at least a B average or permission of the instructor (\$25 Fee - no textbook)

The Drama 3 and 4 class is primarily a production class where students focus on developing their theater skills of acting, directing and design, lighting, scenic, costume, props and more. Students who take this class will be involved with designing, directing, and acting for various productions such as The Children's Theater Project (CTP).

These students must possess an elevated level of dedication toward theater. They will further their study of acting styles and dramatic literature by reading, analyzing, and performing scenes and monologues from classic plays. They will also participate in class productions, as this is a production-oriented class. Some after school performances may be involved with this class. Students will be required to perform in front of a live audience.

612 DRAWING AND PAINTING 1 (P) Semester Grades 9-12

PREREQUISITES: None (\$40 Fee - no textbook)

Drawing and Painting 1 is a studio course designed to familiarize the student with a variety of drawing media; including graphite, conte, and charcoal, visual vocabulary, and techniques. The student is introduced to periods of art, styles and techniques as they have developed throughout history and is expected to analyze and respond to these works of arts. The student will be able to apply objective criteria to the creation of her own art during class critiques and display. Students will be evaluated through projects, quizzes, and tests. The students will complete a semester portfolio.

613 DRAWING AND PAINTING 2 (P) Semester Grades 9-12

PREREQUISITES: Completion of Drawing and Painting 1 or signature of teacher (\$40 Fee - no textbook)

Drawing and Painting 2 is a studio course designed to familiarize the student with a visual vocabulary, media including pastel, watercolor and acrylic and variety of techniques. The student is introduced to periods of art, styles and techniques as they have developed throughout history and is expected to analyze and respond to these works of arts. The student will be able to apply objective criteria to the creation of her own art during class critiques and display. Students will be evaluated through projects, quizzes, and tests. The students will complete a semester portfolio.

627 DRAWING AND PAINTING 3 Semester Grades 10-12

628 DRAWING AND PAINTING 4 Semester Grades 10-12

PREREQUISITES: See Art Teacher. Fee for class \$40 (No textbook)

This studio class is designed for students who would like to continue in the field of 2-D Design or Drawing and Painting. Students will develop skills and create an Art/Drawing and Painting portfolio. Students will work with various techniques and media. The student works of art are the tests and final.

614 SCULPTURE I (P) Semester Grades 9-12

PREREQUISITES: None (\$40 Fee - no textbook)

Sculpture I is a studio course which introduces the student to a variety of hands on experiences and familiarizes the student with a variety of three dimensional art media, visual vocabulary and techniques. The student is introduced to sculptural styles during periods of art as they developed throughout history. The student is expected to analyze and respond to works of arts by sculpture masters; to demonstrate techniques of masters in her own sculpture; and to apply objective criteria to the creation of her own art during class critiques. Students will be evaluated through projects, quizzes, and tests. The students will complete a semester portfolio.

615 **SCULPTURE 2 (P)** Semester Grades 9-12

PREREQUISITES: Completion of Sculpture 1 or signature of teacher (\$40 Fee - no textbook)

Sculpture 2 is a studio course which introduces the student to a variety of hands on experiences and familiarizes the student with a variety of three dimensional art media, visual vocabulary and techniques. The student is introduced to sculptural styles during periods of art as they developed throughout history. The student is expected to analyze and respond to works of arts by sculpture masters; to demonstrate techniques of masters in her own sculpture; and to apply objective criteria to the creation of her own art during class critiques. Students will be evaluated through projects, quizzes, and tests. The student will complete a semester portfolio.

602 **WOMEN'S CHORUS 1 (P)** Semester Grades 9-12

603 **WOMEN'S CHORUS 2 (P)** Semester Grades 9-12

PREREQUISITES: None (\$50 Fee each semester course - no textbook)

This music performance group is open to all students who have the desire to sing. Techniques in tone production and vocal development are emphasized. Members of this group perform at school and community functions. Music chosen for this group is selected from sixteenth century madrigals to contemporary pieces. The highlight of the first semester is a Christmas Concert, with a Choral festival and Spring Concert in the second semester.

648 **HANDBELL CHOIR 1** Semester Grades 9-12

PREREQUISITES: None (\$50 Fee - no textbook)

Handbell Choir 1 provides the opportunity for students to learn how to play handbells. It will pay particular attention to basic fundamentals of handbell ringing, music note reading, and fundamentals of music and ensemble playing. It will stress rehearsal procedures and beginning ringing techniques. Knowledge of music is helpful but not required. The bell ringers will be taught how to read music. The handbell choir will perform at the Christmas Concert.

649 **HANDBELL CHOIR 2** Semester Grades 9-12

PREREQUISITES: None (\$50 Fee = no textbook)

Handbell Choir 2 is designed to provide advanced level opportunities for students in handbell ringing. It will pay particular attention to rhythm and note reading, advanced music theory, musical development and ensemble playing. It will stress advanced ringing techniques. The handbell choir will perform at the spring concert and the Handbell Choir Festival.

*****WORLD LANGUAGES**

415 **S AP FRENCH LANGUAGE AND CULTURE (HP)** Year Grades 11-12

PREREQUISITES:

- French 3/French 3 Honors/French 4 with an A- or better
- Signature of current French teacher
- Submission of AP Contract to academic advising office

This is the capstone course of the French curriculum designed for advanced students. It offers a comprehensive overview of grammar for the purposes of preparing the student for the AP language exam. Students work on mastering writing, speaking, reading, and listening proficiency through the intensive study of the required textbooks, French literature, and the AP curriculum. 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. Summer assignments are published on the school's website each year at the end of May.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

444 **S AP ITALIAN LANGUAGE AND CULTURE (HP)** Year Grades 11-12 (**COLLEGE BOARD AND UC APPROVAL PENDING**)

PREREQUISITES:

- Italian 3/Italian 4 with an A- or better
- Signature of current Italian teacher
- Submission of AP Contract to academic advising office

The goal of this course is to continue to develop and refine a more advanced level of proficiency in speaking, listening, reading, and writing conversational and academic Italian. The class will continue to integrate history, culture, geography, and regional traditions into the study of Modern Italian. The student's fluency should become more complex with a higher level of vocabulary and varied sentence structures. During the year, the student will read and analyze several Italian texts and write formal essays using oral and written prompts. This class will require a thorough and intensive study of the required textbook, Italian literature, and the AP curriculum. 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. Summer assignments are published on the school's website each year at the end of May.** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

426 S AP SPANISH LANGUAGE AND CULTURE (HP) Year Grades 11-12

PREREQUISITES:

- Spanish 2 Honors/ Spanish 3/Spanish 3 Honors/Spanish 4 with an A- or better
- Signature of current Spanish teacher
- Submission of AP Contract to academic advising office
- Pass a qualifying exam with B or better

This course is aimed at refining all language skills, i.e. reading, writing, comprehension and conversation. During the year, several short stories are read and analyzed. Informal and formal essays are written using oral and written prompts. During the second semester the emphasis is on oral communication skills and preparation for the AP test. 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. Summer assignments are published on the school's website each year at the end of May. *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

427 S AP SPANISH LITERATURE AND CULTURE (HP) Year Grades 10-12

PREREQUISITES:

- Spanish 2 Honors/ Spanish 3/Spanish 3 Honors/Spanish 4 with an A- or better or AP Spanish Language with a B or better
- Student must be a fluent Spanish speaker
- Signature of current Spanish teacher
- Submission of AP Contract to academic advising office
- Pass a qualifying exam with B or better

This course is intended to be the equivalent of college introduction to Hispanic Literature covering selected works from the literatures of Spain and Latin America. Texts covered will begin from the medieval period to contemporary authors. The function of this course is to facilitate students' learning of basic concepts about literary genre and terminology in order to analyze works of literature orally and in written form at the college level. 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. Summer assignments are published on the school's website each year at the end of May** *Students who wish to transfer from the course after the first two weeks of the semester must finish out the semester and wait to transfer at the beginning of second semester.*

410 S FRENCH 1 (P) Year Grades 9-12

PREREQUISITES: None

This course is designed for those with little or no previous exposure to the French language. The goal of the course is to build speaking, listening, writing, reading, and cultural proficiency through communicative techniques.

411 S FRENCH 2 (P) Year Grades 9-12

PREREQUISITES:

- French 1 with C or better
- Signature of current French teacher

This course is the sequel to French 1. The goal of the course is to continue building on elementary structures, still emphasizing speaking, listening, writing, reading, and cultural proficiency as the goal of instruction. Special attention is paid to vocabulary expansion and oral proficiency.

412 S FRENCH 3 (P) Year Grades 10-12

PREREQUISITES:

- French 2 with a C or better
- Signature of current French teacher

The course is designed to build on the elementary-intermediate structures covered in French 2. The goal of the course is to present more sophisticated structures while still emphasizing the five skills of language proficiency. Successful students will have a comprehensive base of intermediate-advanced structures, with a general knowledge of francophone culture.

413 S FRENCH 3 HONORS (HP) Year Grades 10-11

PREREQUISITES:

- A- or better in French 1 & 2
- Signature of current French teacher

This course is designed for advanced students of French who wish to develop their listening, speaking, writing, and reading skills at an accelerated pace. Students complete MORE WORK in skills level than the regular French 3.

414 S FRENCH 4 (P) Year Grade 12

PREREQUISITES:

- French 3 with a B or better
- Signature of current French teacher

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

440 ITALIAN 1 (P) Year Grades 9-12

PREREQUISITES: None

Italian 1 is a course designed for those with little or no previous knowledge of Italian. Its purpose is to lay the foundation for speaking, reading, writing, listening, and cultural proficiency. The successful student will gain mastery of novice-level structures and be prepared for more advanced structures in Italian 2.

441 S ITALIAN 2 (P) Year Grades 9-12

PREREQUISITES:

- Italian 1 with a C or better
- Signature of current Italian teacher

This course is a continuation of the study of Italian 1. The goal of the course is to build on structure, conversational speaking, listening, writing, and cultural proficiency. Successful students will have a comprehensive base of intermediate and advanced structures, with a general knowledge of Italian culture.

442 S ITALIAN 3 (P) Year Grades 10-12

PREREQUISITES:

- Italian 2 with a C or better
- Signature of current Italian teacher

Italian 3 is an advanced course culminating the skills acquired from Italian 1 and 2. This course will focus on all verb tenses, build on vocabulary, emphasize speaking pronunciation, and focus on an in-depth cultural appreciation. Italian literature will also be incorporated for the students to analyze the Italian culture. Successful students will achieve proficiency in the Italian language and culture.

443S ITALIAN 4 (P) Year Grades 11-12

PREREQUISITES:

- Italian 3 with a B or better
- Signature of current Italian teacher

This course emphasizes the use of language for active communication. The student will gain greater skills in spoken Italian in different contexts. Reading skills will be further developed and the student will gain better skills in expressing herself in Italian both in speech and in writing.

420 S SPANISH 1 (P) Year Grades 9-12

PREREQUISITES: None

Spanish 1 is a two-semester course intended for students with limited or no exposure to the Spanish-language and the Latin-American culture. Students develop the basic language skills of listening, speaking, reading and writing through the study of the basic elements of the sound system of the language, the basic language patterns and the vocabulary. Emphasis will be based on listening and speaking activities; reading and writing activities will be introduced simultaneously. Cultural topics will also be presented.

429 S SPANISH 1 HONORS (P) Year Grade 9 – 12

PREREQUISITES: At least two years of previous Spanish study and/or a satisfactory score on the placement exam. Students must demonstrate the ability to comprehend and produce 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 obtain a "C" (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 improve students' existing skills 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.

422 S SPANISH 2 (P) Year Grades 9-12

PREREQUISITES GRADES 10-12:

- Spanish 1 with C or better.
- Signature of current Spanish teacher.

PREREQUISITES GRADE 9: This course is open to incoming freshman students who are either: (1) 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 obtain a "C" (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 introduced in Spanish 1. Emphasis is placed on 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.

433 S SPANISH 2 HONORS (P) Year Grade 10 -12

PREREQUISITES: This course is open to students who are native or non-native speakers who have successfully completed a one-year course in Spanish 1 or Spanish 1 Honors with a grade of A- or better. For incoming freshmen to be accepted in this class, students must have passed all five sections of the SJHS Spanish Placement Test with A- (90%) or better. (This placement test which is administered by the World Languages Department includes demonstration of ability in five areas in the target language: grammar and vocabulary, reading comprehension, writing skills, oral/speaking skills, listening comprehension.)

This course is designed for students of Spanish who demonstrate an ability to comprehend and produce Spanish and have had prior formal instruction. This course uses the concepts acquired in Spanish 1 and expands on facilitation of more effective communication in reading, writing and speaking abilities while further exploration of the cultural experience of the Spanish-speaking community continues.

424 S SPANISH 3 (P) Year Grades 10-12

PREREQUISITES:

- Spanish 2 with C or better.
- Signature of current Spanish teacher

This course is a two-semester course intended for intermediate students with previous exposure to the Spanish language and Latin American cultures. Students further develop and improve the language skills of listening, speaking, reading, and writing at a more advanced level. They are also introduced to 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. An emphasis will be placed on grammar structure, reading comprehension, listening comprehension, speaking and vocabulary. Brief and simple forms of narrative and essay are developed throughout the year.

425 S SPANISH 3 HONORS (HP) Year Grades 10-12

PREREQUISITES:

- A- (90%) or better in Spanish 2 or Spanish 2 Honors
- Signature of current Spanish teacher.

This course is designed to develop advanced conversation, writing, and reading skills at an accelerated pace. It is comprised of short stories in Spanish from a variety of Spanish-speaking countries, grammar review and extemporaneous speaking. During the second semester, there are added lectures and films on Spanish culture and tradition as it pertains to the Latin American world. Added emphasis will be placed on narrative and long paragraph writing.

428 S SPANISH 4 (P) Year Grades 10-12

PREREQUISITES:

- Spanish 3 with B or better
- Signature of current Spanish teacher

This is a two-semester course intended for advanced students with previous exposure to the Spanish language and Latin American cultures. Students further develop the language skills of listening, speaking, reading, and writing through the study of the basic elements of the sound system of the language, the basic language patterns, and the vocabulary. Reading and writing activities will be introduced simultaneously. Students are also introduced to 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. Brief and simple forms of narrative and essay are developed throughout the year. This course continues the development and refinement of grammar and language skills with increased emphasis on literature, discussion, composition, oral presentations, and culture.

447 MANDARIN 1 (P) Year Grades 9-12

PREREQUISITES: None

Mandarin Chinese 1 is a beginning course in the Mandarin Chinese language appropriate for the high school student with little or no prior knowledge of the Mandarin Chinese language. It is designed to develop listening, speaking, reading, and writing skills. The main objectives include developing students' linguistic proficiency, promoting cultural sensitivity, and developing their overall fluency.

448 MANDARIN 2 (P) Year Grades 9-12

PREREQUISITES: Mandarin 1 with C or better

Mandarin Chinese 2 is the continuation of Mandarin 1. This course is designed to further students' knowledge of Mandarin Chinese grammar, vocabulary and culture. Successful students will enhance reading, speaking, listening, and writing skills. Special attention is paid to the use of tones and simplified Chinese characters.

*****NON-DEPARTMENTAL**

NOTE: The following courses are graded PASS/FAIL--that is five credits are given but the course is not figured in the GPA. ONLY TWO SEMESTERS (10 credits) of these courses can be counted as part of the needed 240 credits for graduation.

919S OFFICE ASSISTANT Semester Grades 11-12

PREREQUISITES: Signature of staff member who will direct assistant.

This is a practical course in which students assist in the school office.

917S TEACHER ASSISTANT Semester Grades 11-12

PREREQUISITES: The department in which the student will be working must approve this course. TEACHER ASSISTANT WILL BE ASSIGNED TO DEPARTMENTS. DEPARTMENT CHAIRPERSONS WILL ASSIGN STUDENTS TO PARTICULAR TEACHERS AT THE BEGINNING OF THE SEMESTER. Application forms are available in Academic Dean's Office.

Teacher Assistants will be responsible for the general supervision of any and all of the activities, which have been identified by the department chairperson/teacher

MATHEMATICS MATRICULATION TABLE

CURRENT COURSE	CURRENT GRADE (AVERAGE OF BOTH SEMESTERS)	ADDITIONAL PREREQUISITES	COURSE OPTIONS
Algebra 1, Part 1	A, B, C, D		Algebra 1, Part 2
Algebra 1, Part 2	A, B, C	Signature of Current Math Teacher	Geometry
Algebra 1, Part 2	D	Signature of Current Math Teacher	Summer School
Algebra 1	A (96 or above) Test Average (96)	Signature of Current Math Teacher	Honors Geometry
Algebra 1	A-, B, C	Signature of Current Math Teacher	Geometry
Algebra 1	D, F	Signature of Current Math Teacher	Summer School
Geometry	A (96) Test Average (96)	Signature of Current Math Teacher	Algebra 2 Honors
Geometry	A, B, C	Signature of Current Math Teacher	Algebra 2
Geometry	D, F	Signature of Current Math Teacher	Summer School Algebra 2, Part 1
Geometry Honors	A, B (85)	Signature of Current Math Teacher	Algebra 2 Honors
Geometry Honors	B-, C D	Signature of Current Math Teacher	Algebra 2 Summer School
Algebra 2	A (96) Test Average (96)	Signature of Current Math Teacher	Pre Calculus Honors
Algebra 2 or	A, B, C+ (77) C D	Signature of Current Math Teacher	Pre Calculus or Statistics Statistics Summer School
Algebra 2 Honors	A, B (85)	Signature of Current Math Teacher	Pre Calculus Honors
Algebra 2 Honors	B-, C	Signature of Current Math Teacher	Pre Calculus or Statistics
Algebra 2 Honors	D	Signature of Current Math Teacher	Summer School
Pre Calculus	A (96) Test Average (96)	Signature of Current Math Teacher	AP Calculus AB, AP Statistics, or Statistics
Pre Calculus	B, C	Signature of Current Math Teacher	Statistics
Pre Calculus Honors	A (96) Test Average (96)	Signature of Current Math Teacher	AP Calculus BC
Pre Calculus Honors	A-, B (85)	Signature of Current Math Teacher	AP Calculus AB or AP Statistics
Pre Calculus Honors	C	Signature of Current Math Teacher	Statistics
AP Calculus AB	A, B	Signature of Current Math Teacher	AP Calculus BC
<p>**Honors Courses – Students are selected for honors courses by the Math Department. **Students with an F for a semester grade in any math course must retake the course in summer school before registering for another math course.</p>			

SCIENCE MATRICULATION TABLE

CURRENT COURSE	CURRENT GRADE (AVERAGE OF BOTH SEMESTERS)	ADDITIONAL PREREQUISITES	COURSE OPTIONS
FRESHMAN			
Biology	GPA 3.8 or above	at least an A- in Algebra 1	Honors Chemistry
	GPA 2.5-3.8	at least a B in Algebra 1	General Chemistry
	GPA below 2.5		Survey of Physical Science
Physical Science or None	GPA 3.8 or above	at least an A- in Algebra 1	Honors Chemistry
	GPA 2.5-3.8	at least a B in Algebra 1	General Chemistry
	GPA below 2.5		Survey of Physical Science
	GPA 2.5-3.0	at least a C in Algebra 1	General Biology
	GPA 2.5-2.0		Survey of Physical Science
SOPHOMORES			
Chemistry	GPA 3.7 or above	at least an A- in General Chemistry OR a B in Honors Chemistry	Honors Biology
	GPA 2.5-3.8		General Biology
Biology	GPA 3.8 or above	at least an A- in Algebra 1	Honors Chemistry
	GPA 2.5-3.8	at least a C in Algebra 1	General Chemistry
	GPA below 2.5		Survey of Physical Science
Physical Science	GPA 2.0 or above		General Biology
JUNIORS/SOPHOMORES			Science electives may be taken concurrently
Biology AND Chemistry completed	GPA 3.0 or above	PreCalculus and Chemistry with grade of A Concurrent enrollment in AP Calculus or AP Statistics	Honors Physics
	GPA 3.20 – 3.50	at least a grade of B+ in Honors Biology AND Honors Chemistry OR an A in General Biology AND General Chemistry	AP Biology AP Chemistry
	GPA 2.5 or above	at least a B in Algebra 2 AND Chemistry	Physics
Biology AND Chemistry/Physical Science completed	GPA 3.0 or above	-at least a B in Biology, Chemistry OR Physical Science at least a B in Algebra 2	AP Environmental Science
	GPA 2.8 or above	at least a C in Biology and Chemistry	Anatomy & Physiology
	GPA 2.8 or above	at least a C in Biology and Chemistry/Physical Science	Marine Biology
Physical Science completed			General Biology