

SAINT JOSEPH

A COLLEGE PREPARATORY SCHOOL

BROTHERS OF THE SACRED HEART IN METUCHEN, NJ SINCE 1901

PROGRAM OF STUDIES

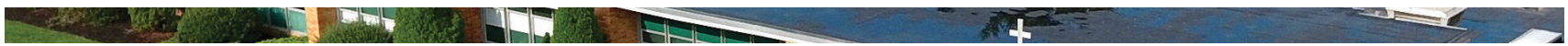
2023-2024

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Saint Joseph High School is a private Catholic school for boys. The school strives to cultivate lifelong learning, encourage academic inquiry, promote critical thinking, enhance continued development, and instill values of integrity and compassion.

The college preparatory curriculum provides a well-balanced course of studies to meet the needs and cultivate the interest of its students. The core requirements for graduation and electives provide students with the skills necessary for continued success in college and future endeavors.

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THIS IS AN INTERACTIVE PDF!

COURSE	YEARS REQUIRED	TOTAL CREDITS
ENGLISH	4	20
FINE AND PERFORMING ARTS	1 ½	7 ½
MATHEMATICS	3	15
HEALTH/DRIVERS EDUCATION	½	2 ½
PHYSICAL EDUCATION	1	5
SOCIAL STUDIES	3	15
SCIENCE	3	15
THEOLOGY	4	20
WORLD LANGUAGES	2	10
ELECTIVES	4	25
TOTAL CREDIT REQUIREMENTS	**4**	**135**

All semester courses earn 2 1/2 credits.
All freshmen, sophomores, and juniors must enroll in 35 credits per year.
All seniors must enroll in a minimum of 30 credits regardless of credits previously earned.

ACADEMICS | CURRICULUM OVERVIEW

	Computer Science & Applied Technology	English	Fine & Performing Arts	Health & Phys. Ed.	Mathematics	Science	Social Studies	Theology	World Languages
9th	Computer Animation* Computer Science I* Digital Media* Exploring Computer Science* Mobile Apps* Python Program* Cybersecurity I	English I English I Honors	Art Intro* Vocal I Instrumental I Theatrical I	Phys. Ed.*	Algebra I Algebra I Honors Geometry Geometry Honors Algebra II Algebra II Honors	Biology Biology Honors	World Hist. World Hist. Honors World Hist. AP	Theology I	German I German II German II Honors Latin I Spanish I Spanish I Honors Spanish II Spanish II Honors
10th	Computer Animation* Computer Science I* Digital Media* Exploring Computer Science* Mobile Apps* Python Program* Cybersecurity I	English II English II Honors	Art Intro* Vocal I Vocal II Instrumental I Instrumental II Theatrical I Theatrical II	Health & Drivers Ed.* Phys. Ed.*	Algebra II Algebra II Honors Geometry Geometry Honors Precalculus Precalculus Honors	Chemistry Chemistry Honors	U.S. Hist. I U.S. Hist. I Honors	Theology II	German II German II Honors German III German III Honors Latin II Latin II Honors Spanish II Spanish II Honors Spanish III Honors
11th	Computer Animation* Computer Science Java AP Computer Sci Principles AP Computer Science I* Digital Media* Mobile Apps* Python Program* Technical Drawing Intro* Cybersecurity I	English III English III AP English III Honors Journalism* Advanced Journalism* Public Speaking*	Art Intro* Vocal I Vocal II Vocal III Instrumental I Instrumental II Instrumental III Theatrical I Theatrical II Theatrical III	Phys. Ed*	Algebra II Algebra II Honors Calculus Calculus AP AB Calculus Honors Math Strategy Logic/SAT Prep* Precalculus Precalculus Honors	Anatomy Anatomy Honors Biology AP Chemistry Chemistry AP Chemistry Honors Environ. Science Environ. Science AP Forensic Science Forensic Sci. Honors Physics Physics Honors Lab Asst. Experimental Microbiology	20th Century Middle East U.S. Hist. II U.S. Hist. II Honors U.S. Hist II AP European Hist. AP Global Issues* Constitutional Law* Economics* Psychology Psychology AP US Gov. & Politics AP	Theology III A Theology III B Philosophy	German III German III Honors German IV German IV Honors Latin III Latin III Honors Spanish III Spanish III Honors Spanish IV Spanish AP
12th	Computer Animation* Computer Science Java AP Computer Sci Principles AP AP Computer Science I* Digital Media* Mobile Apps* Python Program* Technical Drawing Intro* Cybersecurity I	English IV English IV AP English IV Honors Journalism* Advanced Journalism* Public Speaking*	Art Intro* Vocal I Vocal II Vocal III Vocal IV Instrumental I Instrumental II Instrumental III Instrumental IV Theatrical I Theatrical II Theatrical III Theatrical IV	Athletic Training & Sports Medicine Intro* Phys. Ed.*	Calculus AP AB Calculus AP BC Calculus Honors Discrete Honors Personal Finance* Precalculus Precalculus Honors Stats & Probability Statistics AP	Anatomy Anatomy Honors Biology AP Chemistry AP Environ. Science Environ. Science AP Forensic Science Forensic Sci. Honors Physics Physics Honors Physics AP Lab Asst. Experimental Microbiology	20th Century Middle East European Hist AP Global Issues* Constitutional Law* Economics* Psychology Psychology AP US Gov & Politics AP	Theology IV Philosophy	German IV German IV Honors German IV AP Latin IV Honors Spanish IV Spanish IV Honors Spanish AP

* Indicates semester course (2 1/2 credits) all other courses are full-year (5 credits)

COURSES | OVERVIEW

Saint Joseph High School provides courses in the academic, honors, and advanced placement level. The tier of classes enables students to proceed at a level commensurate with their ability and interest in a given academic area.

ACADEMIC COURSES

Saint Joseph High School provides academic courses that meet the requirements for graduation and prepare students for college.

HONOR COURSES

The Saint Joseph High School Honors Program is designed to recognize students who attended Saint Joseph High School for four years and who have successfully enrolled in the most rigorous Honors and AP curriculum available. There may be no incidents of dishonesty or any major disciplinary incident. The Honors Program Committee meets annually to review the graduating class and to determine eligibility.

ADVANCED PLACEMENT COURSES

Saint Joseph High School participates in the Advanced Placement Program offered by the College Board. Advanced Placement courses afford the students the opportunity to earn college credits for prescribed courses while at Saint Joseph High School. Students enrolled in an Advanced Placement course are required to take the Advanced Placement Examination. Examination scores will be provided to the students and may be sent to colleges or universities. The college or university reserves the right to accept the score for college credit. A monetary fee is required and payable upon enrollment. Enrollment is dependent on current grades and at the discretion of the academic department and the Guidance Department. Advanced Placement Courses receive greater weighting in student's grade point average.

CO-CURRICULAR COURSES

Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. They take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

DUAL ENROLLMENT

Saint Joseph High School participates in Dual Enrollment in conjunction with local colleges and universities. This program recognizes prescribed courses at Saint Joseph High School as equivalent to those offered at the colleges and universities, thereby, granting college credit for successful completion. A monetary fee for this program is required by the colleges or universities. Dual Enrollment courses receive greater weighting in student's grade point average.

COURSES FOR ADVANCEMENT

Any course taken to advance a level in any subject during the summer must receive approval from the Dean of Studies and the Department Chair. These credits will not be included in the student's transcript or GPA. The course will not count towards the total graduation credit requirement.

COLLEGE OPTION

Seniors at Saint Joseph High school may choose to participate in the College Option Program. This program allows students to enroll in elective courses at a local college. Participation requires the approval of the Dean of Studies.

COURSE PLACEMENT APPEAL PROCESS

Students wishing to appeal a placement decision for a course must meet with the teacher to discuss placement and submit a letter to the academic department and Guidance Department. The letter must include the reasons for appeal, qualifications, and interest in course. The letter must be signed by student and parents. Decisions will be determined by the instructor, academic department chair, counselor and Assistant Principal, Dean of Studies. All decisions are final.

HONORS PROGRAM

The Saint Joseph High School Honors Program is designed to recognize students who attended Saint Joseph High School for four years and who successfully enrolled in the most rigorous Honors and AP curriculum available. There may be no incidents of dishonesty or any major disciplinary incident. The Honors Program Committee reviews the graduating class to determine eligibility annually.

COURSES | FORMATION

Integral to the education provided at Saint Joseph High School is the formation of young men. In addition to course offerings, the school provides education beyond the classroom to promote self-growth, healthy attitudes, and responsible behavior. The goal is to assist students to realize their potential and provide them with skills necessary to pursue continued studies.

GUIDANCE DEPARTMENT

The Guidance Department consists of a team of counselors whose goal is to provide students with individual direction as they transition from middle school, navigate through high school, and prepare for college. Counselors assist students with course selection, study skills, time management, and standardized testing. They prepare students for college by providing opportunities to explore careers and by providing information on the college search process, the application process, information on military services, and financial aid. The Guidance Department is a valuable tool used to guide students through their years at Saint Joseph High School.

SERVICE

Saint Joseph High School strives to develop students into responsible, contributing members of society. Students use their talents to service the Saint Joseph High School community and the greater community.

9th	10th	11th	12th
• Intro to Gmail & Google Classroom • Peer Mentoring • Note-Taking, Time Management & Organizational Skills • PSAT Introduction • Facts About Vaping, Drugs & Alcohol • Appropriate Use of Social Media • How to Prepare for a Midterm/Final Exam • History of the Brothers of the Sacred Heart • S.T.R.E.A.M. Enrichment • Class Service Project • Students Against Destructive Decisions	• PSAT & Pre-ACT Prep • Study Skills & Time Management • S.T.R.E.A.M. Enrichment • Career Interest Inventory • Facts About Vaping, Drugs, & Alcohol • Appropriate Use of Social Media • The Charism of Fr. André Coindre • Students Against Destructive Decisions • Class Service Project • Pre-ACT Test-Taking Strategies	• College Selection & Application Process • S.T.R.E.A.M. Enrichment • SAT Prep • ACT Prep • Facts About Vaping, Drugs, & Alcohol • Appropriate Use of Social Media • Diversity Seminar • Leadership Seminar • Peer Mentor Training • Students Against Destructive Decisions	• Writing College Essays • Applying to College • What to Expect in College • Financial Literacy • Facts About Vaping, Drugs, & Alcohol • Appropriate Use of Social Media • What Constitutes Sexual Assault • Health & Wellness Seminar • Students Against Destructive Decisions

The Computer Science & Applied Technology Department offers several courses that prepare students for college work and for technology use in their personal and professional lives. Courses range from word processing and spreadsheet applications to computer graphics and design as well as studies in various coding languages. In addition, the department sponsors a FIRST Robotics Challenge team that participates in local and national contests. Students may also qualify for the National Technological Honor Society.

Computer Animation - 0360
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course introduces students to the basics of computer animations, including animations scripting and layout, creating cell animations, and Web graphics. Students gain experience in making a script by manipulating graphics to create an animation sequence using key-framing and onion skinning techniques. Students learn to manipulate images by changing the size, direction and shape of their image, and they will learn to download animations onto the Web.

Computer Science I: Java - 0149
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
Students will be introduced to computer programming through the object-oriented language called Java. They will learn about data types, control statements, iteration, and user-defined methods. Students will also be exposed to basic HTML, applets, and graphical user interfaces.

Computer Science Java Advanced Placement - 0175
5.0 credits, year
Grade Level: 11, 12
Prerequisites: "B+" or better in Computer Science I; enrollment in Pre-Calculus or Calculus; "B+" or better in math courses
The course is designed to give students a thorough understanding in problem solving and object-oriented program design using the Java language. The course will focus on topics recommended by the College Board for success on the Advanced Placement Exam including: computer architecture, Java syntax and semantics, conditions, logical expressions, selection and control structures, abstract data types and class design, and implementation. Students will also study and modify large case studies. Students are required to take the Computer Science- Java Advanced Placement Exam.
Receives Greater Weighting in Student's G.P.A.

Computer Science Principles Advanced Placement – 0176
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: "B+" or better in Computer Science I, Exploring Computer Science or Python; "B+" or better in math courses.
AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. Students are required to take the Computer Science Principles Advanced Placement Exam.
Receives Greater Weighting in Student's G.P.A.

Cybersecurity I - 0171
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: None
This course is designed for students who are interested in exploring careers in Cybersecurity. The focus of the instruction will include the implementation and monitoring of security on network and computer systems. Students will investigate strategies to identify and protect against security threats such as hackers, eavesdropping, and network attacks. The basics of cryptography and logic reasoning will be explored. Hands-on labs in a cyber range provide practice in the configuration and mitigation of system vulnerabilities. Each unit integrates current events and related cyber ethics and law.

Digital Media - 0369
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course covers the basics of the essential Adobe Creative Cloud programs such as InDesign, Illustrator, and Photoshop. Students will learn to create artwork with a focus on the design elements and principles of art and will develop their personal creativity through problem solving and individual interpretation. Students will also learn to extend the concepts of these programs through the function of motion features in Photoshop, which they will use to create short movie clips, with advanced work produced in Adobe Premiere Pro. After each section, students will utilize the skills and knowledge they have learned to create a final piece that expresses both their individual creativity as well as their understanding of the software.

Exploring Computer Science - 0141
2.5 credits, semester
Grade Level: 9, 10
Prerequisite: none
This introductory course focuses on three main themes: problem solving & computing, web development, and interactive animation, and emphasizes the major components of the Internet, social media, and websites. Problem solving teaches design, code programming, testing, and verification skills. Web development includes building a personal web page. Students who enroll in this course will develop the foundation to advance in web design, graphics, coding, and animation. Assignments are socially relevant and will culminate in final projects.

Independent Projects in Computer Science I - 0155
Independent Projects in Computer Science I - 0156
2.5 credits, semester
Grade Level: 12 with departmental approval only
Prerequisite: "B+" or better in AP Computer Science
Under the guidance of a technology faculty member, students work independently on computer science topics such as HTML & Java script, Java programming, or other graphical user interface programs. A final project is required at the end of each semester in which the course is taken.

Mobile Apps Design - 0143
2.5 credits, semester
Grade Level: 10, 11, 12
Prerequisite: none
This course covers the basics of mobile app design for Android. The course teaches design for aesthetics and functionality using critical thinking and problem-solving skills. Exploration of a visual programming tool to create apps on Android phones & devices. Assignments are individualized and will culminate in a final design project.

Publications: Yearbook I - 0260
5 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook II - 0261
5 credits, year
Grade Level: 10, 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook III - 0262
5 credits, year
Grade Level: 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook IV - 0263
5 credits, year
Grade Level: 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Python Programming – 0146
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: none
This introductory course emphasizes principles of software development, style, and testing. Topics include procedures and functions, iteration, recursion, arrays and vectors, strings, an operational model of procedure and function calls, algorithms, exceptions, object-oriented programming, and GUIs (graphical user interfaces). Assignments use graphics and GUIs to help develop fluency and understanding.

Robotics I – 0190
5.0 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none for Robotics I, all others require previous level course
The objective of this course is to introduce the students to team building, construction, basic programming, and problem solving strategies. This course will involve students in the development, building, and programming of a competition robot in the FIRST program. Students will work hands-on in teams to design, build, program, and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems, and binary number systems. Students will increase skill and comfort level with each year of involvement. Robotics is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Robotics II – 0191
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: none for Robotics I, all others require previous level course
The objective of this course is to introduce the students to team building, construction, basic programming, and problem solving strategies. This course will involve students in the development, building, and programming of a competition robot in the FIRST program. Students will work hands-on in teams to design, build, program, and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems, and binary number systems. Students will increase skill and comfort level with each year of involvement. Robotics is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Robotics III – 0192
5.0 credits, year
Grade Level: 11, 12
Prerequisite: none for Robotics II, all others require previous level course
The objective of this course is to introduce the students to team building, construction, basic programming, and problem solving strategies. This course will involve students in the development, building, and programming of a competition robot in the FIRST program. Students will work hands-on in teams to design, build, program, and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems, and binary number systems. Students will increase skill and comfort level with each year of involvement. Robotics is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Robotics IV – 0193
5.0 credits, year
Grade Level: 12
Prerequisite: none for Robotics III, all others require previous level course
The objective of this course is to introduce the students to team building, construction, basic programming, and problem solving strategies. This course will involve students in the development, building, and programming of a competition robot in the FIRST program. Students will work hands-on in teams to design, build, program, and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems, and binary number systems. Students will increase skill and comfort level with each year of involvement. Robotics is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Technical Drawing - 0351
2.5 credits, semester
Grade Level: 10, 11, 12
Prerequisite: "C" average in Geometry
The universal language in the world of technology is precision drawing. All manufactured products, homes, office towers, and entire cities take form first on the designer's drawing board. Engineers, carpenters, architects, and machinists must be familiar with technical drawing.
This course will cover sketching, dimensioning, orthographic projection, sectioning, and auxiliary views. Students will prepare drawings using both computers and paper and pencil..

The English Department provides the quintessential foundation for all students graduating from Saint Joseph High School who intend to further their education at the collegiate level. In order to be prepared for the rigors of college, students are challenged to improve their reading comprehension, written and spoken communication skills, grammar usage, and vocabulary knowledge. The curriculum supports good organizational, time management, and study skills; additionally, teachers encourage and reward originality while explaining, clarifying, and reinforcing what constitutes plagiarism. Through extensive reading in various genres of poetry, fiction, nonfiction, and drama, students learn how to read, evaluate, analyze, and appreciate literature. All students learn the Modern Language Association (MLA) research format, which includes a thesis, supportive quotations, internal citations, and a Works Cited page. English course offerings include college prep, Honors level, and Advanced Placement classes. Freshmen who score above the 80th percentile on the Saint Joseph High School Entrance Exam and who demonstrate above average skill on their 8th grade English transcripts may be placed in English I Honors. Each student's English G.P.A. as well as his writing grades during the year determine subsequent placement in English Honors courses.

English I - 0210
5.0 credits, year
Grade Level: 9
Prerequisite: none
The English program on the 9th grade level provides a solid foundation for the study of language and the appreciation of literature. Students will study the fundamentals of grammar, punctuation, spelling, and vocabulary not as ends in themselves, but rather as prerequisites for proper and effective oral and written communication. By reading short stories, essays, drama, poetry, and novels, students will learn to analyze and to appreciate literature. Course requirements include one-half hour daily reading, regularly assigned typed or written formal papers, weekly vocabulary lessons, and consistent reinforcement of grammar mechanics.
*Summer reading required

English I Honors - 0212
5.0 credits, year
Grade Level: 9
Prerequisite: Top scores on the Saint Joseph High School Entrance Test reading and vocabulary section; B+ or above on 8th grade English transcripts; departmental approval.
The English I Honors course provides a solid foundation in the study of language and the appreciation of literature. This course covers Greek mythology, fiction, nonfiction, drama, and poetry. Students will enhance their writing skills through studying grammar and writing techniques. By focusing on literary terms and techniques such as plot, setting, characterization, conflict, symbolism, and various others, students come to understand the architecture of literature while developing a deeper appreciation for it, better preparing them for English Honors courses on the upper levels. Course requirements include daily readings and formal papers, as well as weekly vocabulary and grammar lessons. Students will learn to document and to cite sources in MLA format. Students are required to type all papers.* Summer reading required. Receives greater weighting in student's G.P.A.

English II - 0220
5.0 credits, year
Grade Level: 10
Prerequisite: English I
Sophomores are expected to build on the skills that they gained in English I through exposure to the spectrum of American Literature. Starting with pre-Colonial times, the students will read prose and poetry selections representing the different eras, learning the literary nuances of each. Students will study different forms of literature, including poetry, drama, novels, and short stories. In addition, students will be required to write frequently and to use MLA citations. Vocabulary and grammar lessons enhance students' reading and writing skills. Students will develop their note taking skills. * Summer reading required

English II Honors - 0222
5.0 credits, year
Grade Level: 10
Prerequisite: "A+" English GPA and strong writing sample in English I or a high "B+" English GPA with strong writing grades in English I Honors; focused work ethic; departmental approval.
This course builds on the knowledge and skills that students developed in the English I Honors course. Using the context of American literature, students will explore America's literary evolution from Native American and Colonial origins up to and including contemporary literature. Students will develop a greater fluency in all aspects of English including grammar, vocabulary, reading with an emphasis on writing, and using MLA format. With a goal of three to four supplemental readings in addition to the textbook, students will reinforce their literary analysis and synthesis skills. * Summer reading required.

English III - 0230
5.0 credits, year
Grade Level: 11
Prerequisite: English II
Students will develop fluency in all aspects of English – grammar, vocabulary, reading, writing, literary critical and analytical thinking, and presentational skills – in the context of British Literature. Through an independent and cooperative learning process, students will continue their progress from English II by studying the literature of the Anglo Saxons, the Renaissance, the Middle Ages, and the Romantic, Victorian, and Modern eras. The curriculum will focus on longer works such as the epic poem Beowulf, Chaucer's satirical work, and Shakespeare's Macbeth, and will also include poetry as well as short fiction and nonfiction prose. Students will also continue their work towards mastery of the MLA format through formal writing assignments, and they will receive instructions on SAT strategies, which includes weekly vocabulary lessons.* Summer reading required

Advanced Placement Language and Composition
5.0 credit, year
Grade Level: 11 and 12
Prerequisite for juniors: English II Honors; "A" minimum English GPA with strong writing grades; focused work ethic; departmental approval.
Prerequisite for seniors: English II Honors, "B+" minimum English GPA with strong writing grades; focused work ethic; departmental approval.
This rigorous, college-level course will engage students in the detailed study of the writing process. Students will read and analyze a cross-section of complex fiction and nonfiction texts from multiple genres, periods, and cultures, paying particular attention to how the author crafts his or her argument. Students will be introduced to advanced writing techniques, including incorporating rhetorical strategies in their writing as well as understanding and developing the composition of argument, expository, and synthesis essays. Formal, typed papers following MLA format will be required regularly throughout the course. In addition, students will write in-class essays and will complete practice multiple choice questions to prepare for the national exam. Students are required to take the Advanced Placement Examination in English Language.* Summer reading required. Receives greater weighting in student's G.P.A.
+ Juniors who take this course are required to take AP Literature as seniors

English III Honors - 0232
5.0 credits, year
Grade Level: 11
Prerequisite: "A+" English GPA and strong writing sample in English II or a high "B+" English GPA with strong writing grades in English II Honors; focused work ethic; departmental approval.
This course is designed in conjunction with previous English Honors courses to prepare students to take AP Literature & Composition during senior year. Beginning with the epic Beowulf, students will study prominent British authors such as Malory, Shakespeare, Milton, Chaucer, Johnson, Wordsworth, Keats, Marlowe, Coleridge, Spenser, Shelley, Austen, Woolf, Lawrence, and Joyce. Students will learn the dynamics by which literature grows, expands, and develops to reflect the lives, values, and cultures of the people it represents; additionally, students will study the evolution of the English language as it is represented in literature. The curriculum also includes vocabulary study and grammar lessons that students will master through homework, as well as writing assignments, typed in MLA format, designed to enhance critical thinking and a deeper understanding of literature. Through exposure to acclaimed British literature with an emphasis on literary analysis, students will enhance their analytical skills and develop critical thinking proficiency. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.* Summer reading required. Receives greater weighting in student's G.P.A.

English IV - 0242
5.0 credit, year
Grade Level: 12
Prerequisite: English III
Students will explore the works of classic authors in World Literature, including both Eastern and Western cultures. Through exposure to literature from all eras and cultures, students will enhance their knowledge of poetry, short stories, novels, and drama. Students will increase their vocabulary and SAT knowledge through workbook exercises and reading assignments. Each individual will complete and submit a research paper and will be expected to utilize the fundamentals of citing outside sources in MLA format in preparation for college writing
assignments. * Summer reading required

English IV Advanced Placement Literature & Composition - 0240
5.0 credit, year
Grade Level: 11 and 12
Prerequisite for seniors: English III Honors; high "B+" minimum English GPA with strong writing grades; focused work ethic; departmental approval.
This rigorous, college-level course will engage students in the careful reading and critical analysis of literature. Through in-depth reading of texts of the highest merit in the canon of Western literature drawn from multiple genres, periods, and cultures, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing assignments and class discussion will focus on literary analysis. Formal, typed papers following MLA format will be required regularly throughout the course. Students will also write in-class essays as well as practice multiple-choice questions in order to learn exam strategies. Students are required to take the Advanced Placement Examination in English Literature. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.* Summer reading required. Receives greater weighting in student's G.P.A.

English IV Honors - 0241
5.0 credits, year
Grade Level: 12
Prerequisite: high "B+" minimum GPA in English I, II, & III Honors; strong writing grades & writing sample; focused work ethic; departmental approval.
This course continues to build on the knowledge and skills that students developed in English I, II, & III Honors, focusing now on the poetry, fiction, and nonfiction of World Cultures. Students will explore literature from a world-wide experience, starting with the ancient civilizations and culminating with contemporary authors in the modern world. Students will develop a greater understanding of interpretive and analytical reading with a continued emphasis on writing in the MLA style. In addition to the textbook, there will be supplementary readings through which students will reinforce literary, analysis, and research skills. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.* Summer reading required. Receives greater weighting in student's G.P.A.

Journalism - 0236
2.5 credits, semester
Grade Level: 11 and 12
Prerequisite: none
The Journalism course introduces students to the exciting world of print, online, and broadcast media. Law, ethics, and the history of journalism will complement the major units of study, which include reporting, writing, editing, and layout. Students will learn the skills necessary to communicate through different media, to critique their own writing and the writing of others, to recognize the legal and ethical responsibilities associated with free press, and to appreciate the importance of doing research and meeting deadlines. Collaboration with the Saint Joseph High School student newspaper will be a major component of the course.

Advanced Journalism - 0237
2.5 credits, semester
Grade Level: 12
Prerequisite: Journalism with a "A" minimum average; departmental approval; writing sample
The Advanced Journalism course continues the students' work in the world of print, online, and broadcast media by connecting them with real-world opportunities. Students will put into practice the skills necessary to brainstorm, research, write, and edit news and feature stories for school publications; record and edit digital video for the school's social media accounts; and collaborate with media outlets such as the Tap Into network and MyCentralJersey.com. Working with the Saint Joseph High School Communications Department and Athletic
Department will be an essential part of the course. Students will be required to attend school events after school and on weekends to cover sporting and extra-curricular activities.

Public Speaking: Speech and Personal Communication - 0238
2.5 credits, semester
Grade Level: 11 and 12
Prerequisite: None
This course explores the principles of interpersonal communication as well as the ways of recognizing and understanding how and why people communicate the way that they do. Students will develop the skills needed to make them more comfortable and effective communicators; specifically, these skills will include learning to listen with awareness, sensitivity, and purpose. Students will learn to prepare and to deliver a variety of speeches – informative, convincing, thought provoking, and entertaining. Students will be challenged to think and to listen critically and analytically as well as to have a better sense of confidence in their abilities to express themselves in both creative and effective ways. This course may count as a Fine Arts requirement. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.

Through a series of introductory courses as well as a number of extracurricular programs, the Fine Arts Department strives to develop each student's creativity as well as to increase each student's appreciation of other people's creativity. Elective courses provide students with an opportunity to cultivate their talents and skills through specialized training and instruction.

Art Introduction - 0310
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course introduces students to fine art methods and techniques with an emphasis on fundamental training in art history, and in the process of drawing, painting, sculpture, crafts, printmaking, and other creative expression. Students develop essential techniques, problem solving skills, and aesthetic judgment through in-class, hands-on learning in conjunction with supplemental, at-home projects.

Applied Art - 0353
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: Art Introduction
This advanced course, a continuation of Art Introduction, seeks to develop increased perceptual awareness. Stronger communication of visual skills and talents, individual interpretation, and design relationships are stressed. Sensitivity and originality set student criteria. Growth is measured individually. Art techniques and skills are developed by selected projects chosen by teacher and student. The course is designed to follow in sequence from Drawing and Painting, but is not a prerequisite. Portfolio preparation for college entrance will be emphasized for interested students.

Advanced Art - 0359
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: Art Introduction, Applied Art, Drawing & Painting or Portfolio Review
Advanced Art is a student-centered, in-depth study of limited media or a specific medium through selected projects mutually chosen by student and teacher. Students will be expected to study, explore, and utilize the techniques and skills associated with the media chosen for concentration.

Instrumental Ensemble I - 0314
5.0 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none
Working from within our Fine and Performing Arts Lab Series, students at each level engage in practical instrumental and music appreciation and development through workshops, performance, musicology, service, and Music Ministry in this co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. *This course requires after-school-hours performance at certain school-related functions.

Instrumental Ensemble II - 0320
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students at each level engage in practical instrumental and music appreciation and development through workshops, performance, musicology, service, and Music Ministry in this co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. *This course requires after-school-hours performance at certain school-related functions.

Instrumental Ensemble III - 0330
5.0 credits, year
Grade Level: 11, 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students at each level engage in practical instrumental and music appreciation and development through workshops, performance, musicology, service, and Music Ministry in this co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. *This course requires after-school-hours performance at certain school-related functions.

Instrumental Ensemble IV - 0340
5.0 credits, year
Grade Level: 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students at each level engage in practical instrumental and music appreciation and development through workshops, performance, musicology, service, and Music Ministry in this co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. *This course requires after-school-hours performance at certain school-related functions.

Theatre / Musical Theatre Ensemble I - 0250
5.0 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none
Working from within our Fine and Performing Arts Lab Series, students train in practical performance preparation and production, as an ensemble member of the award winning Saint Joseph Theatre Company. Practical artistic work in areas of performing, production, and/or technical theatre for the season's performances is required. This requirement includes performance as community engagement. Theater is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Theatre / Musical Theatre Ensemble II - 0251
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students train in practical performance preparation and production, as an ensemble member of the award winning Saint Joseph Theatre Company. Practical artistic work in areas of performing, production, and/or technical theatre for the season's performances is required. This requirement includes performance as community engagement. Theater is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. These courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Theatre / Musical Theatre Ensemble III - 0252
5.0 credits, year
Grade Level: 11, 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students train in practical performance preparation and production, as an ensemble member of the award winning Saint Joseph Theatre Company. Practical artistic work in areas of performing, production, and/or technical theatre for the season's performances is required. This requirement includes performance as community engagement. Theater is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. These courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. This is a “Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.

Theatre / Musical Theatre Ensemble IV - 0253
5.0 credits, year
Grade Level: 12
Prerequisite: prior level/s accomplished successfully.
Working from within our Fine and Performing Arts Lab Series, students train in practical performance preparation and production, as an ensemble member of the award winning Saint Joseph Theatre Company. Practical artistic work in areas of performing, production, and/or technical theatre, for the season's performances is required. This includes performance as community engagement. Theater is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. They take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.

Vocal / Choir Ensemble I - 0270
5.0 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none
Working from within our Fine and Performing Arts Lab Series, students train vocally as a choir and will be offered with the opportunity for solo and small group voicings with sacred, liturgical, and select genres of popular music in the spirit of a camarata. Performance participation is required. Choir is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Vocal / Choir Ensemble II - 0271
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: Choir I
Working from within our Fine and Performing Arts Lab Series, students train vocally as a choir and will be offered with the opportunity for solo and small group voicings with sacred, liturgical, and select genres of popular music. Performance participation is required. Choir is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Vocal / Choir Ensemble III - 0271
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Choir II
Working from within our Fine and Performing Arts Lab Series, students train vocally as a choir and will be offered with the opportunity for solo and small group voicings with sacred, liturgical, and select genres of popular music. Performance participation is required. Choir is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.

Vocal / Choir Ensemble IV - 0273
5.0 credits, year
Grade Level: 12
Prerequisite: Choir III
Working from within our Fine and Performing Arts Lab Series, students train vocally as a choir and will be offered with the opportunity for solo and small group voicings with sacred, liturgical, and select genres of popular music. Performance participation is required. Choir is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.
Independent Study and Seminar Capstone Projects in all of our Fine and Performing Arts
Students interested in attempting an Independent Study must request this course via their Guidance Counselor. Our Independent Study and Seminar Capstone Projects in all of our Fine and Performing Arts areas have been further developed with the possibilities to interface with our Project Acceleration Program in partnership with Seton Hall University for Credit Equivalency, College Level Courses and with the College Board AP programs.

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Public Speaking: Speech and Personal Communication - 0238
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: None
This course explores the principles of interpersonal communication as well as the ways of recognizing and understanding how and why people communicate the way that they do. Students will develop the skills needed to make them more comfortable and effective communicators; specifically, these skills will include learning to listen with awareness, sensitivity, and purpose. Students will learn to prepare and to deliver a variety of speeches - informative, convincing, thought provoking, and entertaining. Students will be challenged to think and to listen critically and analytically as well as to have a better sense of confidence in their abilities to express themselves in both creative and effective ways. This is a "Dual Enrollment Course," meaning students have the option to earn college credits (for an additional fee) through Seton Hall University.

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Publications: Yearbook I - 0260
5 credits, year
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook II - 0261
5 credits, year
Grade Level: 10, 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook III - 0262
5 credits, year
Grade Level: 11, 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Publications: Yearbook IV - 0263
5 credits, year
Grade Level: 12
Prerequisite: none
This course will be a practical workshop that will afford students the opportunity to work on the total development of the Annual Yearbook, from start to finish. Skills in design and publication will be taught and enriched. Yearbook is a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. The courses take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

The Health & Physical Education program consists of instruction in health education, motor vehicle driving, and physical activities. The goals of the programs are to promote physical, emotional, mental, and social health; to prepare students to handle the responsibilities of operating a motor vehicle; to increase each student's physical strength and endurance; to develop motor skills and other forms of efficient movement for sports participation; to develop team building exercises and sportsmanship; to promote knowledge and appreciation of games and physical activities; and to gain an understanding of first aid and safety and the needs of the human body.

Athletic Training & Sports Medicine Introduction - 0015
2.5 credits, semester
Grade Level: 12
Prerequisite: Biology
The Athletic Training course is designed for students who are interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, EMT, and other sports medicine related fields. It is offered as a classroom and lab course to provide students with an avenue through which to explore these fields of study. This course focuses on the basic information and skills important in the recognition of care, prevention, and preliminary rehabilitation of athletic injuries. The course includes class work and hands on application of skills learned during lectures.

Health & Driver Education - 0624/0625
2.5 credits, semester
Grade Level: 10
Prerequisite: none
Sophomores will take a semester course comprised of both Health Education and Driver Education. The aim in teaching Health Education is to aid students in developing physically, mentally, emotionally, and socially. Topics covered in health include: the definition of good health; factors affecting longevity; present and future effects of smoking, alcohol, and drug use; nutrition and communicable diseases. In addition each student will have the opportunity to be certified in Basic Life Support (BLS) through the American Heart Association. The aim in teaching Driver Education is to prepare students to handle the responsibilities involved in the operation of a motor vehicle, to reduce the increasing number of traffic accidents among persons of high school age, and to impress students with the significance and reasonableness of traffic laws. Topics covered include: the NJ driving laws including points and violations, familiarization with the car, pre-driving checks and habits, rules of the road, insurance responsibilities, alcohol and drugs as related to driving, and emergency procedures.

Physical Education - 0010
2.5 credits, semester
Grade Level: 9, 10, 11, 12
Prerequisite: none
This course focuses on general conditioning, physical activity, aerobic workouts, and the development of lifetime activity skills. Students will participate in various activities designed to create a foundation for a healthy and productive life. Students will be certified in American Heart Association Basic Life Support (BLS). *One of the two required semesters of Physical Education must be taken in grade 9 or 10.

The Mathematics Department plays an essential role in the college preparatory goals of the student. College-bound students should take as many mathematics courses as possible; consequently, Saint Joseph High School requires each student to take three years of mathematics, although most students study mathematics for four years. Courses are offered at the academic, honors and Advanced Placement level.

Algebra I - 0510
5.0 credits, year
Grade Level: 9
Prerequisite: none
Students completing this course will gain a foundation for further study of mathematics. Students will study the basic axioms of mathematics – operations with directed numbers, solving quadratic and linear open sentences, simplifying all types of algebraic expressions, factoring polynomials, graphing on number lines and Cartesian planes, solving systems of linear functions, solving word problems, and simplifying radicals.

Algebra I Honors - 0506
5.0 credits, year
Grade Level: 9
Prerequisite: 80th percentile or better on the Saint Joseph High School Entrance Test math section; departmental approval.
This course covers many first-year Algebra topics such as solving equations, analyzing linear and quadratic functions, graphing on the Cartesian plane, factoring polynomials, and simplifying radicals. Students will work both individually and in groups to utilize mathematical problem solving techniques. An online program, Acellus, will allow students to supplement the course material through auxiliary practice and mastery.
Receives greater weighting in student's G.P.A.

Algebra II - 0534
5.0 credits, year
Grade Level: 11
Prerequisite: Algebra I and Geometry
This course will strengthen and extend the student's algebraic skills and will introduce the student to trigonometric functions.

Algebra II Honors - 0514
5.0 credits, year
Grade Level: 10, 11
Prerequisites: "B+" average in Honors Geometry; departmental approval
Students will continue to study mathematical functions and learn how to analyze functions numerically, algebraically, and graphically. Students will extend this analysis to linear, quadratic, absolute value, polynomial, radical, rational, exponential, logarithmic, and trigonometric functions. In addition, students will explore linear systems and inequalities, direct and inverse variation, the complex number system, the binomial theorem, and probability.
Receives greater weighting in student's G.P.A.

Calculus Advanced Placement AB - 0544
5.0 credits, year
Grade Level: 11, 12
Prerequisites: "A" average in Precalculus Honors; departmental approval
This course is designed to prepare students to take the Advanced Placement Calculus AB examination. Students will study limits, the derivative, applications of the derivative, optimization problems, related rates problems, the integral, and applications of integration. Additionally, students will learn to solve differential equations and to graph slope fields. The curriculum also exposes students to previous AP exams that the students will master through practice in class and as homework assignments. Students are required to take the Advanced Placement Calculus AB exam.
Receives greater weighting in student's G.P.A.

Calculus Advanced Placement BC - 0545
5 credits, year
Grade Level :12
Prerequisites: "A" average in Calculus AB; departmental approval
This course is designed to prepare students to take the Advanced Placement Calculus BC examination. Students will study all the topics covered in the AB curriculum in addition to studying convergence of sequence and series, and approximating polynomial functions using Taylor and Maclaurin series with associated error calculations and tests. Students will also examine parametric and polar functions, focusing on the area bounded by polar functions. In order to provide students with a more comprehensive understanding of the uses of integration, the course also covers integration by parts and the length of a plane curve. Because the course material is designed to improve students' problem solving skills, students must have strong algebra and critical thinking skills in order to undertake the proofs and problems presented in the course material. Students are required to take the Advanced Placement Calculus BC exam.
Receives greater weighting in student's G.P.A.

Calculus Honors - 0540
5.0 credits, year
Grade Level: 11, 12
Prerequisites: "B" average in Precalculus Honors; department approval
Students will learn to examine mathematics with a balance of intuition and rigor by exploring the topics of limits, the derivative and its applications, and the integral and its applications. Students will also study algebraic, trigonometric, inverse trigonometric, exponential, and logarithmic functions as they relate to the above-mentioned topics. Students are required to take a Final Exam.
Receives greater weighting in student's G.P.A.

Discrete Math and Linear Algebra Honors - 0547
5 credits, year
Grade Level: 12
Co-requisite: Calculus AB or Calculus BC or Statistics AP; departmental approval
This course introduces students to a wide range of topics that would be covered in college courses for those looking to pursue a major in mathematics or computer science. Students will study combinatorics, logic, graph theory, number theory, Boolean algebra, the Euclidean algorithm, modular arithmetic, systems of linear equations, matrices, linear transformations, determinants, vector spaces, and eigenvalues. Students may elect to enroll in this course in conjunction with Advanced Placement Calculus AB or BC or Statistics AP. Receives greater weighting in student's G.P.A.

Geometry - 0522
5.0 credits, year
Grade Level: 10
Prerequisite: Algebra 1
This course extends the concepts of Algebra I to the physical world and demonstrates how to build a system of mathematics from its foundation. Students will learn how to apply deductive reasoning and logic to points, lines, and planes in order to evolve relationships and determine applications of other geometric figures. They will develop the skills to carry out mathematical proofs, to analyze transformational concepts, and to understand the importance of definitions, postulates, and theorems in the context of mathematics.

Geometry Honors - 0515
5.0 credits, year
Grade Level: 9, 10
Prerequisites: 80th percentile or better on the Saint Joseph High School Entrance Test math section; a passing grade on the Algebra I placement test; an "A" average in Algebra I Honors; departmental approval. This course includes principles of plane, solid, and coordinate geometry, which include reasoning and proof, parallel and perpendicular lines, congruence, quadrilaterals, triangles, area, similarity, right triangle trigonometry, volume, circles, and transformations. Students will explore several of these topics through in-depth investigations. Receives greater weighting in student's G.P.A.

Mathematical Strategies & Logic / SAT Prep. - 0560
2.5 credits, semester
Grade Level: 11
Prerequisites: department approval
Students will improve their problem-solving skills by studying the strategies and tactics of chess, as well as by studying S.A.T.-type math problems. Scores on homework assignments, tests, and a final paper will determine students' quarter grades.
This course may count as a Fine Arts requirement.

Personal Finance - 0157
2.5 credits, semester
Grade Level: 12
Prerequisite: None
This one semester course will provide information regarding budgeting, credit, investing, risk management, and estate planning. Students will learn how to manage money, explore investment opportunities as well as understand the terms and conditions associated with credit cards and other types of loans. The Personal Finance course will empower students with financial responsibility by engaging them in a variety of critical thinking skills. Students will learn money management by creating a personal budget and will also engage in a variety of banking activities such as: writing checks, CD rate comparisons, using ATM cards, and electronic banking. The course also offers an understanding and application of purchasing appropriate types of insurance, tax preparation skills, buying a home, and preparing financial stability for their families.
This course may count as a Fine Arts requirement.

Precalculus - 0548
5.0 credits, year
Grade Level: 12
Prerequisites: Algebra II; departmental approval
This course is a reinforcement of the basic mathematics of algebra, geometry, and trigonometry. Students will encounter topics such as solving and analyzing linear equations and inequalities, quadratic equations, trigonometric equations, logarithmic equations, and all forms of graph translations. Students will understand problems algebraically, graphically, and numerically.

Precalculus Honors - 0536
5.0 credits, year
Grade Level: 11
Prerequisites: "B+" average in Algebra II Honors; departmental approval
This course is an analysis of mathematics that will prepare students for Calculus. Students will begin by examining polynomial, power, rational, exponential, and logarithmic functions. Additionally, students will study matrices and conic sections. The Calculus curriculum, which will commence in March, will expose students to limits and various methods of differentiation, including implicit differentiation.

Statistics and Probability - 0565
2.5 credits, semester
Grade Level: 12
Prerequisite: Algebra II; departmental approval
Students will be introduced to elementary probability and statistics. Topics will include sampling techniques, methods of displaying qualitative and quantitative data, numerical calculations for analyzing data, the normal distribution, and the rules of probability. Through a project based curriculum, students will apply topics learned in class to the physical world. They can be focused toward their own interests. Students are expected to present their own data sets and to draw conclusions based on statistical inference.

Statistics Advanced Placement - 0566
5 credits, full year
Grade Level: 11, 12
Prerequisite: "A" average or better in Algebra II Honors; departmental approval
AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

ACADEMIC AREAS | SCIENCE

The Science department prides itself in fostering the growth and curiosity of students through critical thinking and immersive laboratory environments. With state-of-the-art technology and equipment, students will gain the tools needed to apply the scientific method and to conduct their own research and investigations. Each class will develop the following skill set in a student: logic, understanding of concepts, creativity and teamwork in experiments, and presentation of data and results. The department has two main specialties: life sciences and physical sciences. The recommended course of study is a three-year sequence of Biology, Chemistry, and Physics - designed to provide students with the fundamentals in each area. Students may then pursue a more specialized focus of study through electives and other full-year courses offered.

1. To satisfy the minimum graduation requirements, students must successfully complete three full-year courses in the Science curriculum. These should be supplemented with as many mathematics courses as possible.
2. To prepare for college and professional careers in medicine or the life sciences, students should enroll in Biology, Chemistry, Physics, and life-science courses such as Anatomy and Physiology or Forensic Science.
3. To prepare for college and professional careers in the physical sciences or engineering, students should enroll in Biology, Chemistry, Physics, and other specialized courses such as Environmental Science.

Biology – 0812
5.0 credits, year
Grade Level: 9
Prerequisite: none
This general biology course will introduce students to the major areas of biological concern, including the nature of life, fundamentals of chemistry, cell biology, evolutionary processes, environmental and ecological issues, heredity, and human genetics. Using a lecture-lab process oriented approach, students will develop critical thinking and lab skills.

Biology Advanced Placement – 0842
5.0 credits, year
Grade Level: 12
Prerequisite: 3.8 GPA or higher; minimum "A" average in Biology Honors and Chemistry Honors; departmental approval
This course is a first-year, college level course for prospective pre-medicine or life science majors. The course will be organized around a few underlying principles called "the big ideas," which encompass the core scientific principles, theories, and processes governing living organisms and biological systems. The main themes include evolution, cellular processes,
genetic and information transfer, and ecology. Laboratory experiments and observations will be an integral part of this course. Students are required to enroll in at least one extra lab period per week. This lab period will take place outside of the assigned class period. Students will be required to take the Advanced Placement Biology Exam.
Receives greater weighting in student's GPA.

Biology Honors – 0823
5.0 credits, year
Grade Level: 9
Prerequisite: 80th percentile or higher on the Saint Joseph High School Entrance Test: Reading Comprehension and Mathematics sections; departmental approval
This course will cover the general biology curriculum with expanded content and greater depth. Topics include: exploring life, the life of the cell, cellular reproduction and genetics, evolution, biological diversity, animal forms and functions, plant forms and functions, and ecology. Students will conduct both hands-on and virtual process-oriented lab activities.
Receives greater weighting in a student's GPA

Chemistry - 0830
5.0 credits, year
Grade Level: 10
Prerequisite: none
This course will present models and theories of modern chemistry. Students will learn firsthand how scientific theories evolve through didactic lessons and laboratory experiences, including some virtual labs. Some topics studied are the scientific method, atomic theory and periodicity, covalent vs. ionic bonding, writing chemical formulas and naming chemical compounds, chemical equations, the mole concept, stoichiometry, and the gas laws. Additional topics will include acid/base reactions, solutions, chemical equilibrium, and/or nuclear chemistry. For many chemical concepts, strong Algebra I skills are needed for problem solving.

Chemistry Advanced Placement - 0834
5.0 credits, year
Grade Level: 11, 12
Prerequisite: "A+" average in each quarter and on exams in Chemistry Honors; "A" average in honors-level math course; departmental approval
This course is the equivalent of a first-year college chemistry course. It will focus on the structure of matter, states of matter, reactions, and descriptive chemistry. Topics include stoichiometry, solutions, periodic properties, bonding theory, equilibrium, kinetics, thermodynamics and electrochemistry. Students will practice detailed mathematical problem solving along with written explanations of chemical principles. Laboratory work involves chemical reactions, substances, and includes guided inquiry tasks. Students must enroll in at least one extra lab period per week. This lab period will take place outside of the assigned class time. Students must also complete independent study and are required to take the Advanced Placement Chemistry exam.
Receives greater weighting in student's GPA.

Chemistry Honors - 0832
5.0 credits, year
Grade Level: 10
Prerequisite: Departmental approval; minimum "B+" average in Biology Honors, or "A" average in Biology with teacher approval; minimum "B+" average in honors math course, or "A"
average in college prep math course with a passing grade on a departmental placement exam. This course will present models, theories, and laws of modern chemistry. Students will learn the evolution of scientific theories through didactic lessons and laboratory experiences, including virtual labs. Topics include the scientific method, atomic theory and periodicity, covalent vs. ionic bonding, writing chemical formulas and naming chemical compounds, chemical equations, the mole concept, stoichiometry, the gas laws, acid/base reactions, solutions, and chemical equilibrium. Nuclear chemistry may also be covered. Strong Algebra I & II skills are needed for problem solving.
Receives greater weighting in student's GPA.

Environmental Science - 0833
5.0 credits, year
Grade Level: 11, 12
Prerequisite: none
This course will investigate local and global environmental quality issues, ecology, alternative energy sources, natural resources, land use, populations, pest control, agriculture, and industrial and domestic wastes. Classes will include inquiry-based activities, simulations, discussions, and research projects that will utilize critical thinking and collaboration. Socioeconomic and political issues will be analyzed and reviewed with primary source documents.

Environmental Science Advanced Placement - 0837
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Departmental approval, minimum "A" in Biology Honors, Chemistry Honors
This laboratory science course will incorporate prior biology and chemistry knowledge as it relates to environmental study. Interrelationships of the natural world, analysis of complex environmental problems, earth systems and resources, the living world, populations, land and water use, energy resources and consumption, pollution, and global change will be addressed and students will be expected to critically analyze social, cultural and political influences on environmental problems to be globally aware, active, and responsible citizens. Students should hold strong mathematical skills to be able to analyze and justify argument with quantitative evidence. Class time will include practical laboratory experiments, technical writing, and coursework in preparation for the Advanced Placement Environmental Science Exam.

Forensic Science - 0835
5.0 credits, year
Grade Level: 11, 12
Prerequisite: none
This is a college-level, introductory Forensic Science course. Students will study all aspects of forensic science, from investigating crime scenes to the techniques utilized by crime labs throughout the country to solve various mysteries. Specific topics will include, but not be limited to: history and development of forensic sciences, investigating crime scenes, evidence collection, processing and preparation for court, microscopic investigation and trace evidence, including glass, soil, paint, hair and fibers; drugs and toxicology, including the use of such instrumentation as the GC/mass spectrophotometer; forensic serology and DNA; arson and explosives; firearms, ballistics and tool mark impressions; document examination and handwriting analysis; forensics and computers. Criminal Profiling will also be discussed. Both "wet" and virtual labs will be utilized.

Forensic Science Honors - 0836
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Minimum 3.5 GPA; minimum "B" average in Biology, Chemistry, Algebra I & II; departmental approval
This course is a college-level, introductory forensic science course. Students in this course will have the option to participate in the Dual Enrollment Program. Four college, laboratory science credits will be awarded through Middlesex County College upon successful completion of the course ("C" average or better). Additional registration fee and forms will be due by September 30. A mandatory parents meeting in September will take place if considering this option. Students will be exposed to all aspects of forensic science in a more in-depth manner, from investigating crime scenes to the techniques utilized by crime labs throughout the country to solve various mysteries. Specific topics will include but are not limited to: history and development of forensic sciences; investigating crime scenes, including evidence collection, processing and preparation for court; Microscopic Investigation and Trace Evidence, including glass, soil, paint, hair and fibers; drugs and toxicology, including the use of such instrumentation as the GC/mass spectrophotometer; forensic serology and DNA; arson and explosives; firearms, ballistics and tool mark impressions; document examination and handwriting analysis; forensics and computers. Criminal profiling will also be discussed. Both "wet" and virtual labs will be utilized. Students will be assigned research papers and a final presentation consisting of a case study that had significant impact in the field of forensics will be required. For this course, additional college exams will be administered (after school in each quarter) and an additional, in-depth assignment in each quarter is required. Receives greater weighting in student's GPA.

Human Anatomy and Physiology - 0839
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Minimum "B+" in Biology and Chemistry; or "B" in Biology Honors and Chemistry Honors; departmental approval
This course is an introductory course in Anatomy and Physiology and assumes no previous study of the human body. It will a basic understanding and working knowledge of the human body. The course will explore how the body maintains homeostasis through several organ systems and chemical processes necessary for life. Students will be able to investigate how structure relates to function, as well as coordinate and control certain physiological functions essential to life. This course will stress collaborative group work and creative problem solving through projects and presentations. The program will prepare students who are aiming for careers as premedical, pre-dental, and prechiropractic programs, pharmacists, nurses, physician assistants, medical laboratory technologists and technicians, radiation therapy technologists and radiographers, respiratory therapists, dental hygienists, physical and occupational therapists, surgical assistants and technologists, diagnostic medical sonographers, electroencephalographic (EEG) and electrocardiographic (EKG) technologists, biological sciences, science technology liberal arts, and physical education, among others.

Human Anatomy and Physiology Honors - 0841
5 credits, year
Grade Level: 11, 12
Prerequisite: Minimum "A" in Biology and Chemistry; or "B+" in Biology Honors and Chemistry Honors; departmental approval
This is a college-level course in Anatomy and Physiology that will explore, in depth, the physiological functions and systems of the human body. Students will investigate how structure relates to function as well as how it coordinates and maintains processes essential to life. This course will stress collaborative group work and creative problem solving through projects and presentations. Students will also gain hands-on laboratory experience through the study and dissection of organs in order to train them for future careers in medicine, nursing, pharmacy, biological sciences, and biotechnology, among others.
Receives greater weighting in student's GPA.

Physics - 0840
5.0 credits, year
Grade Level: 11, 12
Prerequisite: none
This course will cover the foundations of classical mechanics. Additional topics will include electrostatics, electric circuits, and sound. The integration of mathematics throughout the course requires strong algebra and critical analytical thinking skills. For lab purposes, students will be required to use spreadsheets and word processing software.

Physics Advanced Placement - 0844
5.0 credits, year
Grade Level: 12
Prerequisite: Departmental approval, minimum "B+" in Physics Honors and Pre-Calculus Honors, and a demonstrated solid work ethic
Co-requisite: Calculus
This course will follow the Advanced Placement Physics C: Mechanics syllabi for prospective engineering, science, and mathematics majors. Students must enroll in at least one extra lab period per week. This lab period will take place outside of the assigned class period. Students are required to take the Advanced Placement Physics C: Mechanics Exam. The Advanced Placement Electromagnetism Exam is optional.
Receives greater weighting in student's GPA.

Physics Honors - 0860
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Departmental approval, minimum "B+" in Chemistry Honors and current honors-level math course, or "A" average in college prep math course with a passing grade on a
departmental placement exam, and a demonstrated solid work ethic
This is a lecture-lab course covering the foundations of mechanics. It will be inquiry based and includes studies at an introductory college level. Topics will include vectors, kinematics
equations, momentum, projectile motion, and transfer of energy, among others.
Receives greater weighting in student's GPA.

Lab Assistant and Independent Research I - 0843
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
This course will give students the opportunity to be paired with a Science Department faculty member to shadow and to assist in the preparation and execution of laboratory experiments for their classes. Students will also conduct their own research by formulating a question on a specific topic of interest to them. Their faculty advisor will guide them through the rigors and methods of research - from finding source documents and journal articles, to developing and carrying out experiments, and finally to analyzing and reporting their data. The course will
culminate with the submission of a final Manuscript and a presentation of their work that models what takes place at university-level conferences and symposiums. This course is offered as a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. They take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Lab Assistant and Independent Research II - 0845
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: Lab Assistant and Independent Research I
Students enrolled in this course will either continue their work from the previous semester or choose a new topic to research and to explore. With a semester of experience in laboratory technique and methods, students will be able to delve more deeply into the areas of science about which they are most curious. They will continue to assist their faculty advisor in laboratory setup and their work will again culminate in the submission of a Manuscript and presentation. This course is offered as a co-curricular course. Co-curricular courses are an extension of the learning experience, and students may be awarded high school credit. They take place outside of the regular school day. Students interested in participating in these activities for high school credit will need to adhere to attendance and participation policies. The co-curricular courses do not waive any of the requirements for graduation. Students may still participate in these activities without receiving high school credit.

Techniques in Experimental Microbiology – 0824
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
This college-level laboratory course delves into the world of bacteria, viruses, and other microscopic organisms. Students will learn about beneficial and harmful microorganisms and the laboratory techniques used by research universities and companies to study them. Hands-on experiences will bring the field to life in projects such as molds used in cheese-making and fermentation. Students will also learn how to grow, to analyze, and to control organisms using antibiotics and selective growth media.

The Social Studies program has a two-part design – a series of core courses in which all students must enroll and a diverse selection of electives open to students who have a greater interest in the subject. The core of the program includes three general survey courses designed to provide students with the broad background necessary for more advanced work in specialized areas. The full-year required courses are World History, United States I, and United States History II. Students may take these course at the academic, honors, or advanced placement level.

20th Century History of the Middle East - 0973
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
Students will explore the 20th century history of the Middle East, with an overview of the three Abrahamic religions and concentrating on the Fertile Crescent, Egypt, Turkey, the Arabian Peninsula, and Iran. The curriculum will examine the role, policies, and cultures of the various nations throughout contemporary history, starting with the demise of the Ottoman Empire at the end of World War I through 9/11 and the Arab Spring.

Constitutional Law - 0994
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
Students will be introduced to the world of Constitutional interpretation and debate. The curriculum emphasizes the tension between civil order and individual rights, and how these issues have defined Constitutional law throughout history. Students will learn to examine law and meaning, often through a case study approach that focuses upon the role of the three branches of government and the role of responsible citizens.

Economics - 0997
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
Throughout this survey course, students will explore basic economic concepts and institutions, as well as the underlying theories behind them. The course will emphasize a macroeconomics perspective as students examine how classical and neoclassical theories have developed our modern monetary and fiscal policies in contemporary America.

European History Advanced Placement - 0975
5.0 credits, year
Grade Level: 11, 12
Prerequisite: "B+" average or higher in American History Honors or American History Advanced Placement; a 3.5 cumulative grade point average or higher; departmental approval
Students will investigate European History from 1450 to the present. The curriculum highlights five themes of equal importance: interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society. Students will learn to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The curriculum and student focus will be to prepare for the required Advanced Placement European History exam.
Receives greater weighting in student's G.P.A.

Global Issues - 0947
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
This survey course will introduce students to current global issues and events. Students will examine the causes and developments of contemporary events and their impact on the United States and the global community, in a class discussion-based setting to gain a better understanding of global events and conditions.

Psychology - 0985
5.0 credits, year
Grade Level: 11, 12
Prerequisite: none
Students will systematically cover the content areas identified by the American Psychological Association's task force on National Standards for High School Psychology Curricula and the College Board. These topics include research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, lifespan development, personality, intelligence, psychological disorders and treatment, and social psychology.

Psychology Advanced Placement - 0986
5.0 credits, year
Grade Level: 11, 12
Prerequisite: "B+" average or higher in American History Honors or American History Advanced Placement; a 3.5 cumulative grade point average or higher; departmental approval
Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. The curriculum and focus will be to prepare for the required Psychology Advanced Placement exam.
Receives greater weighting in student's G.P.A.

United States Government and Politics Advanced Placement - 0945
5.0 credits, year
Grade Level: 11, 12
Prerequisite: "B+" average or higher in American History Honors or American History Advanced Placement; a 3.5 cumulative grade point average or higher; departmental approval
Students will be introduced to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning to assess causes and consequences of political events, and interpret data to develop evidence-based arguments. The curriculum and student focus will be to prepare for the required Government & Politics Advanced Placement exam.
Receives greater weighting in student's G.P.A.

United States History I - 0920
5.0 credits, year
Grade Level: 10
Prerequisite: World History
Throughout this survey course, students will examine the exploration and colonization of America during the era of imperialism. The curriculum emphasizes the development of American culture, government, politics, economics, and foreign diplomacy and relations from our nation's beginnings through the culmination of the Civil War in 1865 by examining historical persons, events, movements, and conflicts.

United States History I Honors - 0922
5.0 credits, year
Grade Level: 10
Prerequisite: "B+" average or higher in World History Honors od World History Advanced Placement; a 3.5 cumulative grade point average or higher; departmental approval
Students will complete a curriculum preparing them for enrollment in Advanced Placement United States History. Students will examine historical figures and events that contributed to the development of the American landscape, politics, economics, foreign policy, and culture. The curriculum will emphasize original works and themes beginning with the development of the nation and movement towards independence, the development of regionalism and conflict, and the culmination of conflict with the Civil War.
Receives greater weighting in student's G.P.A.

United States History II - 0921
5.0 credits, year
Grade Level: 11
Prerequisite: American History I
Students will reengage in the study of American History beginning with the Reconstruction period following the Civil War. The curriculum emphasizes the process of rebuilding and reunifying our nation in the post-war era, navigating the nation through the turbulence of the 1890's and establishing America as a world power through the Great Wars. Students will learn how America rose to become one of the remaining superpowers in the contemporary era, and the cultural, political, social, and economic changes that resulted from the evolution of the nation.

United States History II Honors – 0923
5 credits, year
Grade Level: 11
Prerequisite: "A" average or higher in American History I or completion of American History I Honors; a 3.5 cumulative grade point average or higher; departmental approval.
Students will reengage in the study of American History beginning with the Reconstruction period following the Civil War. The curriculum emphasizes the analysis of the legacy of the post-war era, the foundations of racial division and civil rights, and the political turbulence through the Gilded Age. Through the investigation of primary and secondary sources documents, students will examine the synthesis of the nation through the Great Wars, and the establishment of the United States of America as a global superpower in the contemporary era, with special emphasis on the societal and political changes that accompanied our evolution as a nation.

United States History II Advanced Placement - 0940
5.0 credits, year
Grade Level: 11
Prerequisite: "B+" average or higher in American History Honors; a 3.5 cumulative grade point average or higher; departmental approval
Students will investigate the origins of our nation beginning in 1491 through the modern day. The curriculum will emphasize the study of the content of U.S. History for significant events, individuals, developments, and processes in nine historical periods, and allow students to examine seven themes: American and national identity, migration and settlement, politics and power, work, exchange, and technology, America in the world, geography and the environment, and culture and society. Focus will be to prepare students to complete the required Advanced Placement United States History exam.
Receives greater weighting in student's G.P.A.

World History - 0912
5.0 credits, year
Grade Level: 9
Prerequisite: none
This course provides students with a chronological framework for studying the history of the world by focusing on important concepts and themes beginning with Greco-Roman and Judeo-Christian culture, with special emphasis placed upon Western Civilization. Through this broad understanding of world history, students learn social and civic skills by examining general trends and global processes that shape history and culture. Students will investigate the origins and evolution of several major civilizations.

World History Advanced Placement - 0911
5.0 credits, year
Grade Level: 9
Prerequisite: Enrolled at the discretion of the Dean of Studies and the Chair of the Social Studies Department based upon a student's entrance exam score and academic history. Students will investigate the significant events, individuals, developments, and processes that shaped world history in six periods, ranging from 8000 B.C. to the present. The curriculum will emphasize five themes and five geographical regions, which have contributed to the development of humankind. The curriculum and student focus will be to prepare the students for the required World History Advanced Placement exam.
Receives greater weighting in student's G.P.A.

World History Honors - 0913
5.0 credits, year
Grade Level: 9
Prerequisite: 80th percentile or better on the Saint Joseph High School Entrance Test reading and vocabulary section; departmental approval
Students will cover the World History curriculum with increased emphasis on historical literature and primary source documents. Students will be introduced to works of literature and art created by past civilizations and cultures. They will study the transition from one civilization to the next in the overall development of global culture. This course will provide students with the academic foundation required for American History Honors.
Receives greater weighting in student's G.P.A.

"To rescue the children from ignorance, to prepare them for life and to give them a knowledge and love of religion." Preamble Rule of Life, Brothers of the Sacred Heart
The Theology Department provides opportunities for students to increase their understanding of the Roman Catholic faith spiritually, intellectually, and affectively. In addition, it encourages students to put their faith into action within the Saint Joseph High School community and the greater community. The Department also inspires students to respect the religious beliefs of others. In the spirit of ecumenism promulgated by the Church at Vatican II, a hallmark of our age, the curriculum remains faithful to both Roman Catholic heritage and the heritage of the Brothers of the Sacred Heart. Furthermore, it encourages dialogue and understanding among students.

Theology I
Introduction to Catholicism - 0718
5.0 credits, year
Grade Level: 9
Students will examine the central teachings of the Catholic faith. Topics will include the Incarnation, the Trinity, Redemption, the Paschal Mystery, and the study of the Creeds. They will also examine the role of the Sacraments and how they help us demonstrate our Christian responsibility in the world today. In addition to these topics the students will examine the
teachings of Jesus, the Commandments, morality, the significance of the Blessed Virgin Mary, and the role of the saints in the Roman Catholic Church.

Theology II
Sacred Scripture - 0723
5.0 credits, year
Grade Level: 10
This course provides an overview of Sacred Scripture based on Catholic principles for understanding and interpretation of the Bible. The course highlights the theme of covenant as it draws a path through Salvation History. The different books of the Bible and important events in biblical history are examined to reveal the parts they play in Salvation History and in our world today. The aim is to help students appreciate the Bible as a source for spiritual insight, a guide in prayer, and a moral template that can apply throughout life.

Theology III A
Comparative Religions - 0726
2.5 credits, semester
Grade Level: 11
Students will come to understand the manner in which the Catholic Church relates to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's revelation, this course is intended to help students recognize the ways in which important spiritual truths may be found in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith. Students will explore and study the faith traditions, religious teachings, history, and sacred texts of each religion in comparison to the Catholic tradition.

Theology III B
History of the Church – 0732
2.5 credits, semester
Grade Level: 11
This course is a comprehensive view of the history of the Catholic Church including every major event in the Church's history from the life of her founder, Jesus Christ, to the present day. The course places the Church in her context throughout history and explains the role that the Church and her leaders have played in the shaping of history for better and worse.

Theology IV
Morality and Catholic Social Teaching – 0735
5.0 credits, year
Grade Level: 12
Morality - Students will be presented with the theological concepts of the Catholic Faith which will provide the formation necessary to live a moral life. The emphasis is on understanding
the essential truths of the Ten Commandments and the message of Jesus Christ in the New Testament as it relates to living a Christian life. Catholic Social Teaching - Students will be introduced to the social teachings of the Catholic Church, a rich body of thought covering love and family, law and justice, war and peace, wealth and poverty, rights and duties, freedom and obligation. The students will learn how Christ's divine love for others, especially the poor and most vulnerable, is present today in the Church's social doctrine and mission.

Philosophy - 0740
2.5 credits, semester
Grade Level: 11, 12
Prerequisite: none
This course is designed to help students to think critically, learn how to reason, identify the fallacies in arguments and achieve a basic understanding of Philosophical theories. Students who study Philosophy tend to achieve higher scores on their SAT tests and are better prepared for academics at the university level. This course will be taught from the perspective of Catholic Teaching. This course will enable students to have a greater appreciation and understanding of History, English and Theology.

All students must successfully complete at least two consecutive years of a world or classical language. World Language classes, Level III or higher, are primarily taught in the target language. Students who wish to study two languages simultaneously must maintain a "B" average or higher in their current language studies. All language courses will focus on the three modes of communication (interpretive, interpersonal, presentational) as defined by the Standards for Foreign Language Learning in the 21st Century. Students will learn to use these modes of communication at the intermediate level as described in the ACTFL Performance Guidelines for K-12 Learners.

German I - 0414
5.0 credits, year
Grade Level: 9
Prerequisite: none
Level I of all languages introduces students to the fundamentals of the language. Students will study and develop a basic vocabulary of approximately 800 words and will learn the main grammatical structures of the German language. Students will practice written and oral skills, including correct pronunciation, which are required in order to understand and to speak German.

German II - 0424
5.0 credits, year
Grade Level: 10
Prerequisite: German I
This course involves a review and extension of the principles taught in Level I. Students are introduced to new grammatical concepts that are necessary for a more sophisticated understanding of and facility in using the language. Emphasis is placed on the refinement of basic skills, a greater development of writing skills, and a continued study of the important aspects of cultural life. Ongoing effort is made to develop students' ability to express ideas and thinking in German.

German II Honors - 0425
5.0 credits, year
Grade Level: 9, 10
Prerequisites: German I; with an A average; departmental approval
This Honors course requires a solid foundation of German I. It is an intensive language course that strengthens listening, speaking, reading, and writing skills in the target language. Students learn new grammar concepts that provide them with an understanding of and practice with German grammar principles. Students will continue their advanced study of German culture and are introduced to German literature.
Receives greater weighting in student's G.P.A.

German III - 0434
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: German II; with at least a B average; departmental approval
Students are immersed in three communication modes: interpretive, interpersonal, and presentational to provide enhance proficiency on topics of every day communications and academic discourse. The students acquire an understanding of German culture. They continue to develop a meaningful contextual language and interdisciplinary concepts in order to reach a higher level of proficiency with regard to reading, comprehension, listening, and writing skills in the target language. The class will be primarily taught in German. Students are encouraged to use the technique of circumlocution.

German III Honors - 0440
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: German II or German II Honors; with an A average; departmental approval
This honors course covers the same basic materials as German III at an accelerated pace. It combines interpretive, interpersonal, and presentational modes of communication to enhance German proficiency. Students continue to develop a meaningful contextual language and interdisciplinary concepts in order to reach a higher level of proficiency with regard to reading, comprehension, listening, and writing skills in the target language. German culture is studied. The class will be primarily taught in German.
Receives greater weighting in student's G.P.A.

German IV - 0443
5.0 credits, year
Grade Level: 11, 12
Prerequisite: German III; with a B average; departmental approval
This fourth year course builds upon the first three levels of German. Students will continue to develop their skills in writing, reading, listening, and speaking, building vocabulary, and grammar skills to focus on practical scenarios. Exercise is based on authentic texts as well as audio and visual materials from Germany, Austria, and Switzerland, will teach students to think critically and to express themselves on topics relevant to German culture, past and present. The majority of this course is conducted in German.

German IV Honors - 0444
5.0 credits, year
Grade Level: 11, 12
Prerequisite: German III or German III Honors; with an A average; departmental approval
This course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. It is primarily taught in German. Students who complete this course with an A+ have the option to take the German Advanced Placement exam.
Receives greater weighting in student's G.P.A.

German Advanced Placement Language and Culture - 0447
5.0 credits, year
Grade Level: 12
Prerequisite: German III or German III Honors; with an A average; departmental approval
This college level course concentrates on developing and integrating the four language skills: listening, reading, speaking, and writing. Students will be exposed to authentic materials ranging from classic literary texts to contemporary media; examples include radio and television programs, YouTube videos, and audio magazines. The goal of this course is for students to build upon the proficiency level required to excel on the required Advanced Placement exam. This class will be taught primarily in the German.
Receives greater weighting in student's G.P.A.

Latin I - 0429
5.0 credits, year
Grade Level: 9
Prerequisite: none
Level I of all languages introduces students to the fundamentals of the language. Students will study and develop a basic vocabulary of approximately 800 words and will learn the main grammatical structures of the Latin language. Students will practice written and oral skills, including correct pronunciation, which are required in order to understand and to speak Latin.

Latin II - 0459
5.0 credits, year
Grade Level: 10
Prerequisites: Latin I; departmental approval. Transfer students may be given a placement test.
This course involves a review and extension of the principles taught in Latin I. Students are introduced to new grammatical concepts that are necessary for a more sophisticated understanding of and facility in Latin. Students will focus on refining their basic reading skills, developing their writing skills, and studying the important aspects of cultural life. Students will continue to develop their ability to express ideas and to think in Latin.

Latin II Honors - 0463
5.0 credits, year
Grade Level: 10
Prerequisite: Latin I; with an A average 95th percentile or above on a placement test; departmental approval
This course involves a review and extension of the principles taught in Latin I, but at an accelerated pace which may include more intensive translations and exercises. Students are introduced to new grammatical concepts that are necessary for a more sophisticated understanding of and facility in Latin. Students will focus on refining their basic reading skills, developing their writing skills, and studying the important aspects of cultural life. Students will continue to develop their ability to express ideas and to think in Latin.
Receives greater weighting in student's G.P.A.

Latin III - 0460
5.0 credits, year
Grade Level: 11
Prerequisite: Latin II; with a B average 95th percentile or above on a placement test; departmental approval
Building upon lessons from Latin II, this course continues to develop the linguistic skills of the language, an understanding of the history of the Greco-Roman civilizations, and an appreciation of the cultural developments of the classical world. Students will expand their knowledge of Latin grammar, strengthen their comprehension and translation skills, enhance their oral and written language, and enrich their English vocabulary. Additionally, students will increase their awareness of the contributions of classical civilization to the Western world and broaden their perspective on life and languages.

Latin III Honors- 0462
5.0 credits, year
Grade Level: 11
Prerequisite: Latin II; with an A average 95th percentile or above on a placement test; departmental approval
This honors course covers the same basic materials as Latin III at an accelerated pace. Building upon lessons from Latin II, this course continues to develop the linguistic skills of the language, an understanding of the history of the Greco-Roman civilizations, and an appreciation of the cultural developments of the classical world. Students will expand their knowledge of Latin grammar, strengthen their comprehension and translation skills, enhance their oral and written language, and enrich their English vocabulary. Additionally, students will increase their awareness of the contributions of classical civilization to the Western world and broaden their perspective on life and languages.
Receives greater weighting in student's G.P.A.

Latin IV Honors - 0461
5.0 credits, year
Grade Level: 12
Prerequisite: Latin III or Latin III Honors; with an A average 95th percentile or above on a placement test; departmental approval
The Latin IV Honors curriculum focuses on the students not only learning a classical language but also improving English language and vocabulary skills. This course of study explores linguistic form and grammatical structure resulting in a better mastery of the English language, and appreciation of Latin literature and culture, and an understanding of the influence of the Classical culture in the modern Western world. Students and teachers of classical languages such as Latin are primarily concerned with the interpretation of texts and historical and cultural understanding. Therefore, classical language study functions in the interpretive mode. Occasionally, of the oral and aural dimensions of the study of classical language, especially in the context of poetry, provide for deeper understanding of the language and culture. Students will be strongly encouraged to take the AP Latin exam.
Receives greater weighting in student's G.P.A.

Spanish I - 0417
5.0 credits, year
Grade Level: 9
Prerequisite: none
Level I of all languages introduces students to the fundamentals of the language. Students will study and develop a basic vocabulary of approximately 800 words and will learn the main grammatical structures of the Spanish language. Students will practice written and oral skills, including correct pronunciation, which are required in order to understand and to speak Spanish.

Spanish I Honors - 0416
5.0 credits, year
Grade Level: 9
Prerequisites: Placement test; departmental approval
This course requires a solid foundation of the language. Students will be challenged to further their knowledge of the vocabulary and grammar lessons by focusing on communication, reading comprehension, culture study, and cooperative learning, with an emphasis placed on writing and conversation in the target language.
Receives greater weighting in student's G.P.A.

Spanish II - 0426
5.0 credits, year
Grade Level: 10
Prerequisite: Spanish I
This course involves a review and extension of the principles taught in Level I. Students are introduced to new grammatical concepts that are necessary for a more sophisticated understanding of and facility in using the language. Emphasis is placed on the refinement of basic skills, a greater development of writing skills, and a continued study of the important aspects of cultural life. Ongoing effort is made to develop students' ability to express ideas and thinking in the target language.

Spanish II Honors - 0428
5.0 credits, year
Grade Level: 9, 10
Prerequisites: A Average; departmental approval
This Honors course requires a solid foundation of Spanish I. It is an intensive language course that strengthens listening, speaking, reading, and writing skills in the target language. Students learn new grammar concepts that provide them with an understanding of and practice with Spanish grammar principles. Students will continue their advanced study of Spanish culture and are introduced to Spanish literature.
Receives greater weighting in student's G.P.A.

Spanish III - 0438
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Spanish II; with a B average; departmental approval
This course is designed for students wishing to continue their language study. This course reviews and continues the material learned in previous Spanish courses. Essays, plays, and poems of well-known Spanish and Latin-American literary figures are studied. Newspapers, magazine articles, and various media will be the basis for conversation about everyday situations.

Spanish III Honors - 0436
5.0 credits, year
Grade Level: 10, 11, 12
Prerequisite: Spanish II or Spanish II Honors; an A average; 95th percentile or above on a placement test; departmental approval. This Honors course is an accelerated track to AP Spanish. It requires a solid foundation in Levels I and II. It expands on the basic language skills of grammar, vocabulary, writing, and reading with emphasis on conversation. It will include the reading of short stories, plays, and poems of well-known Spanish authors. Newspapers, magazine articles, and various media will be the basis for conversation about everyday situations. Receives greater weighting in student's G.P.A.

Spanish IV - 0448
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Spanish III; with a B average; departmental approval
This course provides new opportunities for students to progress from skill acquisition to skill usage through text-specific video, text-specific audio, authentic readings, reading and writing instruction, and practice. Short stories by authors from Spain and Latin America form the basis of in-class discussions.

Spanish Advanced Placement Language and Culture - 0449
5.0 credits, year
Grade Level: 11, 12
Prerequisite: Spanish III or Spanish III Honors; with an A average; departmental approval
This college level course concentrates on developing and integrating the four language skills: listening, reading, speaking, and writing. Students will be exposed to authentic materials ranging from classic literary texts to contemporary media; examples include radio and television programs, YouTube videos, and audio magazines. The goal of this course is for students to build upon the proficiency level required to excel on the required Advanced Placement exam. This class will be taught primarily in the target language.
Receives greater weighting in student's G.P.A.