

St. Pius X High School
2022-2023 Course Catalog Table of Contents

Introduction	2
Graduation Requirements	2
Course Selection Process	2
Course Change Requests	3
Honors/AP Course Guidelines	3
AP Exam	3
Grade Point Values	3
Program of Study	4
Theology	5
English	7
English Language Arts/Communications	10
Foreign Language	12
Mathematics	15
Science	18
Social Studies	22
Fine Arts	26
Business	33
Computer Science	34
Physical Education/Athletics	36
Study Labs	39
AP Agreement	40

Course Selections in the 2021-2022 School Year

INTRODUCTION

The curriculum of St. Pius X High School includes the core subject areas of theology, English, foreign languages, mathematics, science, and social studies. The elective program offers students the opportunity to pursue more intently the field of their choice and explore other areas of interest. All courses are designed with the development of well-rounded, critical-thinking, Veritas men and women in mind. SPX frequently reviews and revises course offerings to meet the needs of students and prepare them for college and today's society.

GRADUATION REQUIREMENTS

Students must meet the following requirements of 28 units of credit for graduation from St. Pius X High School:

Theology	4 credits
English	4 credits
Mathematics	4 credits
Science	4 credits
Social Studies	4 credits
Foreign Language	2 credits
Physical Education	1 1/2 credits *
Communications	1/2 credit
Health	1/2 credit
Christian Service	1/2 credit
Fine Arts	1 credit
Computer Applications	1/2 credit **
Electives	2 credits (minimum)

*Beginning with the class of 2024, 1/2 credit of Physical Education can be earned by satisfactorily completing a season of a designated SPX co-curricular. The other 1/2 Physical Education credit must be taken as a course such as Strength and Conditioning, PE, and/or Dance class. Beginning with the class of 2025, students will earn 1 Physical Education credit.

**Beginning with the class of 2025, students must earn 1/2 credit of Computer Applications.

COURSE SELECTION PROCESS

Each student meets with his/her counselor during the spring semester to discuss course selections for the following year. Prior to the meeting, each student will view the courses for which the student's current core teachers have approved, based on the department's honors/AP enrollment prerequisites. Preliminary honors/AP core course placement will be made using the student's first semester grade and most recent available test scores.

If a student's performance drastically changes during the second semester, they run the risk of a change in placement to the subsequent year.

Students will have the opportunity to select electives of their interest. St. Pius X High School will make every effort to place students in their requested electives. If a requested course conflicts with another class, the student will be placed in another elective option.

Student schedules are not created or changed based on requests for specific teachers or specific semesters.

Following spring course selections, each student's parent/guardian will be invited to schedule a meeting with their child's counselor to discuss their student's course selections and four-year plan.

COURSE CHANGE REQUESTS

Course selections made during the spring course selection period and registration are considered permanent for the following academic year. After the announced deadline (April 1, 2022), student schedules will not be changed, and the student must complete the course for a grade. On occasion, a student's schedule change may be considered after the deadline, pending certain conditions and procedures as outlined in the Student/Parent/Guardian Handbook.

HONORS/ADVANCED PLACEMENT COURSE GUIDELINES

Honors/AP courses are designed to meet the needs of students who want an advanced college preparatory curriculum, have an innate interest in learning, and possess a high level of responsibility, aptitude, and achievement. Course content and concepts are explored in greater depth compared to college preparatory level courses and more independent work is expected of the student.

For a student to take an honors/AP level course, the student must understand that honors/AP courses require considerably more homework and studying than a college preparatory course. Work will be assigned and graded accordingly. Students will not be registered for an honors/AP course unless he/she meets all prerequisites.

Honors/AP courses have a limited number of students; actual offerings will depend on student interests and qualifications. Once a student is enrolled in an honors/AP course, he or she will remain in the course until the completion of the course. On occasion a student's counselor and/or the Dean of Academics will meet with the student and parents to discuss removal from the course if they are not showing sufficient progress.

Students who do not qualify for honors placement based on their test scores and/or teacher recommendation may complete the placement [appeal form](#). The appeal is for **students only**; parents may support their student in the process, but the appeal and any interviews need to be completed by the student.

Being mindful of a balanced and healthy workload, students should keep in mind their co-curricular activities, jobs, and other responsibilities, when making scheduling decisions. Students requesting more than four AP/honors courses will be required to obtain approval from the Dean of Academics.

All students enrolling in an AP course are required to complete the AP acknowledge form, which can be found at the end of the course catalog or obtained from the counseling office.

AP EXAM

Enrollment in any AP class has the requirement of actively and conscientiously taking the AP Exam. Students who are not putting forth a good faith effort in the class may be removed from the course. Students are responsible for the fee associated with each AP Exam. Students who meet federal income requirements, may request reduced fee information through their counselor.

GRADE POINT VALUES

<u>GRADE</u>	<u>HONORS/AP</u>	<u>COLLEGE PREPARATORY</u>
A – Excellent	5.0	4.0
B – Above average	4.0	3.0
C – Average	3.0	2.0
D – Below average	2.0	1.0
F – Fail	0.0	0.0

Course offerings are divided into two categories: Honors/AP and College Preparatory. These groupings are the basis for grade point values. St. Pius X High School is a non-ranking school. Students in the top 10% of their class will be notified of their standing and colleges and universities will be provided this information.

HONORS/AP COURSES

English: Honors English I, Honors English II, AP Language, AP Literature

Social Studies: Honors Ancient World History and Geography, AP World History: Modern, AP U.S. History, U.S. History Dual Credit, AP Government, Honors Economics, AP Psychology

Science: Honors Biology I, AP Biology, Honors Chemistry, AP Chemistry, AP Physics, AP Physics II

Foreign Language: Honors Mandarin IV, AP Latin, AP Spanish, AP French

Mathematics: Honors Algebra I, Honors Geometry/Trigonometry, Honors Algebra II, Honors Pre-calculus,
AP Calculus AB, AP Statistics

Computer Science: AP Computer Science Principles, AP Computer Science A

COLLEGE PREPARATORY COURSES

All courses not listed under Honors/AP Courses are considered college preparatory level and carry academic grade point value.

PROGRAM OF STUDY

FRESHMAN

Theology I

English I/Honors English I

Mathematics

Biology/Honors Biology

Ancient World History and Geography/Hon. Ancient World History and Geography

Foreign Language I

Other: Computer Applications, P.E., Health, Communications, etc.

SOPHOMORE

Theology II

English II/Honors English II

Mathematics

Science

Modern World History and Geography/AP Modern World History and Geography

Foreign Language II

Other: P.E., Drill Team, Cheerleading, Band, Fine Art, etc.

JUNIOR

Theology III

English III/ English III Challenging /AP English III

Mathematics

Science

U.S. History/Dual Credit U.S. History/AP U.S. History

Other: Fine Art, Language, Computer Science, etc.

SENIOR

Theology Electives (2) 1 unit

English IV/AP English IV

Government/AP Government/Economics/Honors Economics

Mathematics

Science

Other: Fine Art, Language, Computer Science, etc.

THEOLOGY

TH 112 Theology I

CONTENT:

Sacred Scripture and Revelation of Jesus Christ

1 credit - Freshman

The purpose of this course is to give students a general knowledge and appreciation of Sacred Scripture. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ as the living Word of God, and the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

PREREQUISITES:

None

LENGTH OF COURSE:

One year

TH 122 Theology II

1 credit - Sophomore

CONTENT:

The Mission of Jesus Christ and Its Continuation in the Church

The purpose of this course is to allow students to examine all that God has done for humanity through His Son, Jesus Christ. Students will learn that from the first moment of creation, God planned for humanity to share in Divine life as children of God the Father, sisters and brothers of the Son, and united in the Holy Spirit. Students will learn how all human beings share in this redemption through Christ and will also be introduced to how they can encounter the living Jesus Christ through the Church as an extension of Christ's mission. They will be introduced to different methods of examining the Church. This course will help students understand how to encounter Christ today in a full and real way through the Sacraments and liturgy of the Church, especially in the Eucharist. Students will also examine the Sacraments as an encounter with God and Sacramental grace as God's way of assisting us in living a Christian life. In this course, students will learn not so much about the events in the life of the Church, but about the sacred nature of the Church.

PREREQUISITES:

Theology I

LENGTH OF COURSE:

One year

TH 131 Theology III

CONTENT:

Moral and Sacramental Life in Christ

1 credit - Junior

This course focuses on the essential message of Christ's moral teaching and the importance of love of God and love of neighbor. Students will learn the foundation of the Church's Moral Doctrine (Natural Law and Christ's Teachings) and the Principles of Catholic Social Justice. Students will learn to apply the Church's Moral Doctrine and Principles of Social Justice to modern issues and issues that they face daily (international human rights violations, concern for others, relationships and sexuality, racism, and social injustice, etc.).

PREREQUISITES:

Theology I and II

LENGTH OF COURSE:

One year

TH 135

CONTENT:

Christian Service-Learning Program

1/2 credit - Junior/Senior

This independent study course enables students to engage in direct social service to those with need through awareness and praxis. In this course, students serve in an approved social service agency for 75 hours of service learning and justice outreach completed independently outside of regular school hours. The service experience is enhanced through adequate formation, prayer and reflection, awareness activities,

PREREQUISITES:	guidance, discernment, and small group meetings.
LENGTH OF COURSE:	Second semester junior standing
TH 126	<u>Healing Racism</u> 1/2 credit - Senior Elective
CONTENT:	This elective course will provide seniors with the opportunity to reflect upon and address the problem of racism in our communities. Using active learning, role-playing, and reflection in a safe environment, students will be challenged to address prejudices and stereotypes and to provide practical solutions to the problem of racism. Students will examine racism as it has been manifested in our history and in our own personal lives. We will explore the Church's teachings on human dignity and the call to respect all human life. Using the four pillars of Dominican Life as our framework (Prayer, Study, Community, and Preaching), the students and teacher will be empowered to celebrate the community's diverse gifts and heritage and embody social justice and service.
PREREQUISITES:	Theology I, II, and III
LENGTH OF COURSE:	One semester
TH 146	<u>Death, Dying, and Resurrection</u> 1/2 credit - Senior Elective
CONTENT:	This course is a study of the Church's teaching on judgment and the end of time. Students will discover what the dying process is like and consider how to accompany someone as they die. Learn the stages of grief and how to work through them in this course.
PREREQUISITES:	Theology I, II, and III
LENGTH OF COURSE:	One semester
TH154	<u>Church History</u> 1/2 credit - Senior Elective
CONTENT:	The purpose of this course is to supply the students with knowledge of the eras, issues, tragedies, and triumphs of the Church's history from apostolic times to present. Students will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. Students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.
PREREQUISITES:	Theology I, II, and III
LENGTH OF COURSE:	One semester
TH 128	<u>Creating Justice: Catholic Social Teaching</u> 1/2 credit - Senior Elective
CONTENT:	The purpose of this course is to introduce students to the Church's social teachings. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. The course will offer dedicated units on the issues of racism, economics, and politics.
PREREQUISITES:	Theology I, II, and III
LENGTH OF COURSE:	One semester
TH 127	<u>World Religions and Interfaith Dialogue</u> , 1/2 credit - Senior Elective
CONTENT:	This course will help students understand the way the Catholic Church relates to non-Catholic Christians as well as 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, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in other religions. The students will explore religious traditions from around the world (Judaism, Islam, Hinduism, Buddhism, Confucianism, Taoism), emphasizing the

PREREQUISITES: communal and cultural dimensions of religion.
Theology I, II, and III

LENGTH OF COURSE: One semester

ENGLISH

EN 201	<u>English I:</u>	1 credit - Freshman
	<u>Foundations in Literature and English Composition</u>	
CONTENT:	English I meets the varied skill levels of the ninth-grade student. The course includes a strong emphasis on writing skills and vocabulary enrichment. Through the study of a variety of literature, the student is also provided an opportunity to develop and strengthen their reasoning and comprehension skills.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
EN 202	<u>Honors English I:</u>	1 credit – Freshman
	<u>Foundations in Literature and English Composition</u>	
CONTENT:	Honors English I provides a comprehensive study of a wide spectrum of literature emphasizing plot, characterization, theme, setting, figurative language, irony, symbol, analogy, and satire. Through analysis and evaluation, students acquire skills in observation, perception, comparison, and documentation. Formal writing of paragraphs and essays will improve the students’ grammar and sentence structure.	
PREREQUISITES:	ISEE exam score of 90% or better, or department recommendation. If a student does not meet these criteria, they may opt-into taking the SPX placement exam.	
LENGTH OF COURSE:	One year	
EN 205	<u>English II:</u>	1 credit - Sophomore
	<u>Foundations in Literature and English Composition</u>	
CONTENT:	English II extends the study of literary analysis, composition, and language. Students improve language skills through the study of vocabulary and write a variety of compositions ranging from research essays to literary analysis. Emphasis is placed on the skills of supporting ideas and drawing conclusions. Students will read, study, discuss and write about major works of literature, including a variety of world and multi-cultural literature.	
PREREQUISITES:	English I	
LENGTH OF COURSE:	One year	
EN 206	<u>Honors English II:</u>	1 credit - Sophomore
	<u>Selected Major Works and English Composition</u>	
CONTENT:	In this course, students will study major works of world literature in great depth and write complex compositions in preparation for AP English III and IV. Through rigorous academic work, students will acquire the knowledge, concepts, and skills needed to engage in college-level English classes at the junior and senior level in high school.	
PREREQUISITES:	Completion of Honors English I with 80% or higher/completion of English I with 95% or higher OR PSAT 8/9 scores of 500+ in Reading and Writing, OR a teacher recommendation.	
LENGTH OF COURSE:	One year	
EN 210	<u>English III: United States Literature</u>	1 credit - Junior
CONTENT:	English III explores the development of American literature from colonial times to the present. Literary units are arranged chronologically to study literature in historical context. Composition units offer the student experience in written expression emphasizing appropriate usage and logical thought. Vocabulary includes the study of meaning through context and word analysis.	
PREREQUISITES:	English I and II	
LENGTH OF COURSE:	One year	

EN 213	<u>English III: The Challenging Americans</u>	1 credit - Junior
CONTENT:	Students will read and analyze the challenging works of a wide variety of American authors and columnists, discovering the variety of voices that create the American experience. Additionally, students will study American literature through the lens of American history, understanding literary selections in their historical context. The pace of the course is necessarily faster than English III, and the course requires a substantial amount of additional reading. Students completing this course will write several types of essays and compositions while focusing on critical thinking and analysis; there is an emphasis on formal research writing. Students who are considering taking an AP class in their senior year should consider this course.	
PREREQUISITES:	English I and II	
LENGTH OF COURSE:	One year	
EN 211	<u>Advanced Placement English Language</u>	1 credit - Junior
CONTENT:	This course provides an in-depth study of language and rhetoric. The study of forms and themes of American authors' non-fiction rhetoric leads to comparison and contrast of American thought from colonial to modern times. The study of rhetoric, grammar, style, mechanics and usage, syntax, and MLA reference rules culminates in taking the AP exam in May. This course is a comparison course; expect to read widely and write often.	
PREREQUISITES:	Reading & Writing PSAT score of 550, or an 80%+ in Honors English II/95% in English II, or a teacher recommendation.	
LENGTH OF COURSE:	One year	
EN 215	<u>English Literature and Composition IV</u>	1 credit - Senior
CONTENT:	The content of English IV includes British literature, composition theories and practices, vocabulary study, literary forms, and terminology, researching topics for presentations, basic reviews of sentence and paragraph structure, English usage, and grammar. Three quarters of the year's study involves literature study to improve comprehension and build historical appreciation of the literature of the English world. One quarter of the year's work concentrates on writing theories and methods through preparation of a variety of writing projects. Non-fiction reading has been added to the curriculum to promote writing of argumentative essays.	
PREREQUISITES:	English III	
LENGTH OF COURSE:	One year	
EN 216	<u>Advanced Placement English Literature</u>	1 credit - Senior
CONTENT:	AP English Literature provides an in-depth study of literature. The selected texts cover an extensive period of history and provide an opportunity for the student to further develop her/his language abilities. The course includes the study of literary themes, genres, and topics and introduces skills to develop stylistic writing. Students will take the AP exam in May.	
PREREQUISITES:	Reading and Writing PSAT of 550, or an 80%+ in AP English Language/95%+ English III, or teacher recommendation.	
LENGTH OF COURSE:	One year	
EN 214	<u>Shakespeare</u>	1/2 credit elective - Junior, Senior
CONTENT:	Students will read and perform a variety of Shakespeare's plays, including a tragedy (<i>Macbeth</i>) and a comedy (<i>Much Ado About Nothing</i>), as well as a look into the histories. Students will complete a variety of fun and educational explorations into their language, stage directions, and poetry.	
PREREQUISITES:	English II	
LENGTH OF COURSE:	One semester	

EN 224	<u>Standardized Test Preparation</u>	1/2 credit elective - Sophomore, Junior
CONTENT:	This course presents strategies and practices skills for improving standardized test scores. Students will complete and review practice online tests in English, mathematics, reading, and essay writing. They will also review the purposes of the ACT/SAT tests, general test-taking strategies, and ways to reduce test anxiety.	
PREREQUISITES:	Successful completion of 10th grade English and mathematics	
LENGTH OF COURSE:	One semester	
EN 218	<u>Academic Reading and Composition</u>	1 credit - all levels
CONTENT:	Students will be introduced to essential reading strategies to assist students with building comprehension and analyzing fiction and non-fiction texts. Through interactive class and group activities, key academic vocabulary is expanded. Grammar and writing skills are developed through innovative writing projects such as personal narratives, persuasive essays, problem-solution essays, and short stories, utilizing the writing process. Finally, listening and verbal skills are improved through academic discussions, presentations, and group projects.	
PREREQUISITES:	This course is designed for students approaching or at the B1 Level according to the CEFR, and recommendation required	
LENGTH OF COURSE:	One year	
EN 219	<u>Academic Reading and Composition II</u>	1 credit - all levels
CONTENT:	Students will study reading texts in class that will expose them to various kinds of fiction and nonfiction reading material with which an American university student would be familiar. Students will be trained to improve speaking skills used in academic rhetoric as well as pronunciation practice. Finally, students will improve listening and note-taking skills, both in and out of the classroom.	
PREREQUISITES:	This course is designed for students approaching or at the B2 Level according to the CEFR, and recommendation required	
LENGTH OF COURSE:	One year	
EN 220	<u>Academic Reading and Composition III</u>	1 credit - all levels
CONTENT:	Students will study reading texts in class that will expose them to various kinds of fiction and nonfiction reading material with which an American university student would be familiar. Through these materials, students practice comprehension, critical thinking, and analysis strategies at a higher level to help them prepare for college-level reading and discourse. Students will also improve listening for notetaking, vocabulary learning, and speaking skills for academic success. Additionally, students will learn relevant grammar and sentence structure topics of advanced writing. Finally, students will use research skills and the writing process to produce a variety of writing genres, concluding with a research-based persuasive essay.	
PREREQUISITES:	This course is designed for students approaching or at the B2 and C1 Level according to the CEFR, and recommendation required	
LENGTH OF COURSE:	One year	
EN 229	<u>Creative Writing</u>	1/2 credit elective - Juniors & Seniors
CONTENT:	Students will listen, watch, research and respond in writing to academic lectures and articles with summaries, opinions, and vocabulary development. Students will have the opportunity to participate in class discussions using the Socratic method of discussion. They will prepare speeches of varying lengths to help with pronunciation and build comfort and confidence in public speaking.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	

ENGLISH LANGUAGE ARTS/COMMUNICATION

<p>LA 241 CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Communications</u> 1/2 credit required - all levels Students will identify, analyze, develop, and evaluate communication skills needed for success. The course will focus on relationships in interpersonal and intrapersonal communication, small groups, and public speaking. Students will learn to employ appropriate verbal and non-verbal communication. Units on group dynamics and listening skills will give students the skills to participate in classes, larger audiences, on teams and in small groups. Students apply skills presenting speeches, working in groups, and completing projects during the semester.</p> <p>None One semester</p>
<p>LA 245 CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Debate I</u> 1/2 credit elective - Sophomore, Junior, Senior Forensics prepares students to be successful in a variety of competitive speech/drama events offered in TAPPS, TFA and National Forensics League tournaments. Students will research in preparation for events such as Lincoln-Douglas debate and original oratory. They will learn argumentation which requires critical thinking and improves writing.</p> <p>None One semester</p>
<p>LA 260 CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Yearbook I</u> 1 credit elective - Sophomore, Junior, Senior Students learn the skills needed to produce an exciting, creative, and meaningful memory book for the school year. Students will collaborate as they learn desktop publishing and journalism.</p> <p>None One year; some Saturday workshops required</p>
<p>LA 262 CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Yearbook II</u> 1 credit elective - Junior, Senior Those enrolling in Yearbook II lead the staff in publishing the <i>Del Sarto</i> annual. Developing a unified theme, students create a plan for the book and execute it to meet deadlines. They also use design, writing and editing skills to ensure the book's quality.</p> <p>Yearbook I One year; some Saturday workshops required</p>
<p>LA 263 CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Yearbook III</u> 1 credit elective - Senior Yearbook III students, with two years of staff and production experience on the <i>Del Sarto</i> publication, assume leadership positions. They will assist with the training and supervision of students in publishing techniques and production, especially layout development, story writing, photography, and marketing. In a supervisory capacity, the students will coordinate all aspects of production, marketing, and editing with the students (staff), section editors, and editors-in-chief.</p> <p>Yearbook I and II One year; Saturday workshops required</p>

LA 276

Academic Strategies I

1 credit - Freshman

CONTENT:

This course provides students with an opportunity to practice reading and writing skills across the curriculum to succeed in college preparatory classes. The course emphasizes the development and application of literacy strategies for reading textbooks, novels, articles, and other academic reading materials as well as pragmatic support for communicating academically in formal writing across the curriculum. Students will work with the teacher to devise strategies and schedules for monitoring grades and accessing the tutorial program of the school.

PREREQUISITES:

Recommendation of the Learning Center director and enrollment committee

LENGTH OF COURSE:

One year

LA 278

Academic Strategies II

1 credit - Sophomore

CONTENT:

This course provides students with an opportunity to practice reading and writing skills across the curriculum to succeed in college preparatory classes. The course emphasizes the development and application of literacy strategies for reading textbooks, novels, articles, and other academic reading materials as well as pragmatic support for communicating academically in formal writing across the curriculum. Students will work with the teacher to devise strategies and schedules for monitoring grades and accessing the tutorial program of the school.

PREREQUISITES:

Academic Strategies I or recommendation of the Learning Center director

LENGTH OF COURSE:

One year

FOREIGN LANGUAGE

FL 301	<u>French I</u>	1 credit - all levels
CONTENT:	This introductory course exposes students to the language and cultures of the French-speaking world. Students will develop basic proficiency in the four modalities of language learning: listening, speaking, reading, and writing. Students will first learn to communicate about themselves, their families, and their friends. Then, students will respond to oral and written prompts about their daily lives, responsibilities, and favorite restaurants. There is a strong emphasis on vocabulary acquisition and verb conjugation at this level. French will be used as much as possible during classroom instruction.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
FL 302	<u>French II</u>	1 credit - all levels
CONTENT:	Students will continue to develop proficiency in the four modalities of language learning: listening, speaking, reading, and writing. Students will begin to use the language practically and creatively to make inquiries, gather information, and express opinions. Students will begin to hold conversations on topics ranging from holiday gatherings and food to daily routines and academic choices. They will begin to discuss and analyze fairytales and poems. Students will be introduced to a broad range of grammatical topics and continue to expand their vocabulary base and increase the number and type of situations in which they can function. This class will be conducted mostly in French.	
PREREQUISITE:	French I	
LENGTH OF COURSE:	One year	
FL 306	<u>French III</u>	1 credit - Sophomore, Junior, Senior
CONTENT:	Students will continue to use the language practically and creatively to complete a variety of tasks including listening, speaking, reading, and writing. Themes to be explored include vacation and leisure activities, education and career choices, childhood memories, relationships, the environment, and art within the francophone world. More complex grammatical concepts are introduced. This course will be conducted in French.	
PREREQUISITES:	French I, French II, and teacher recommendation	
LENGTH OF COURSE:	One year	
FL 305	<u>Advanced Placement French Language</u>	1 credit- Senior
CONTENT:	This course prepares students to communicate proficiently through the three modes of communication (interpersonal, interpretive, and presentational). Students will refine their French skills while adding new vocabulary pertinent to a variety of subjects and exploring a variety of material from the francophone world. This course is conducted entirely in French and students are expected to take the AP French exam in May.	
PREREQUISITES:	95% or above in French III or teacher recommendation	
LENGTH OF COURSE:	One year	

<p>FL 311</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Latin I</u> 1 credit - all levels</p> <p>In this course, students learn the structure and vocabulary of the language from which most modern European languages have derived. Mastery of Latin grammar and vocabulary aids understanding and improves writing of the English language. Exposure to Latin provides strong skills for college entrance exams along with preparation for the terminology of science, law, and medicine.</p> <p>None</p> <p>One year</p>
<p>FL 312</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Latin II</u> 1 credit - Sophomore, Junior, Senior</p> <p>This course reviews the Latin vocabulary and syntax learned in the first year. It introduces new grammatical forms and vocabulary enabling the student to translate interesting, original Latin texts during the second semester.</p> <p>Latin I</p> <p>One year</p>
<p>FL 310</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Latin III</u> 1 credit - Sophomore, Junior, Senior</p> <p>Latin III students will read and study a variety of Roman texts and authors. Genres include historical and literary texts, including both poetry and prose: Roman comedies by Plautus and Terence, the poetry of Catullus and Horace, Caesar's Gallic Wars, and Virgil's Aeneid. Students will explore the works based on context of the cultural and historical backgrounds of the authors. Students will continue to learn new grammatical concepts while reviewing previously learned concepts, acquire new Latin vocabulary, and improve English skills through learning the etymology of Latin words derived from Latin, and their usage in English.</p> <p>Latin I and Latin II</p> <p>One year</p>
<p>FL 316</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Advanced Placement Latin: Vergil and Caesar</u> 1 credit - Junior, Senior</p> <p>The goals of the AP Latin: Vergil and Caesar course conform to college Latin studies in the fourth through sixth semesters. The basic objective is progress in reading, translating, understanding, analyzing, and interpreting Latin using <i>Julius Caesar's Gallic Wars and Vergil's Aeneid</i>.</p> <p>95% or above in Latin III or teacher recommendation</p> <p>One year</p>
<p>FL 317</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Spanish I</u> 1 credit - all levels</p> <p>Spanish I is the foundation course for students who have not taken Spanish previously and/or for those who have had limited instruction in the language. The basic structures of the language are introduced, reinforced, and practiced. Hispanic culture and history are integrated into the lessons regularly.</p> <p>None</p> <p>One year</p>
<p>FL 321</p> <p>CONTENT:</p> <p>PREREQUISITES:</p> <p>LENGTH OF COURSE:</p>	<p><u>Spanish II</u> 1 credit - all levels</p> <p>This course develops fluency in spoken and written Spanish through daily translation, interaction with new vocabulary and verb drills. Almost all aspects of Spanish grammar are taught and reviewed. Students are given the opportunities to see, hear, speak, and write the language. CDs and video presentations as well as workbook pages are used to reinforce each objective covered.</p> <p>Spanish I</p> <p>One year</p>

FL 324 **Spanish III** 1 credit - Sophomore, Junior, Senior
CONTENT: Spanish III is a fine-tuning of the total system of communication. At this level, emphasis is placed upon acquisition of oral skills, while perfecting and understanding grammatical constructions.
PREREQUISITES: Spanish I and Spanish II or placement test
LENGTH OF COURSE: One year

FL 328 **Spanish IV** 1 credit - Junior, Senior
CONTENT: The course teaches conversation, grammar and composition and prepares the student to pass the language tests for college placement and/or credit. Students will improve their vocabulary through skits, poetry, and selected readings. Usage of the Internet will help students further practice their language skills.
PREREQUISITES: Spanish III
LENGTH OF COURSE: One year

FL 327 **Advanced Placement Spanish Language** 1 credit - Junior, Senior
CONTENT: The AP program in Spanish language is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. The course covers the equivalent of a third-year college course in Advanced Spanish writing and conversation. It encompasses aural/oral skills, reading comprehension, grammar, and composition. Students will take the AP Exam in May after completing this course.
PREREQUISITES: 95% or better in Spanish III or passing of Spanish IV or teacher recommendation
LENGTH OF COURSE: One year

FL 340 **Mandarin I** 1 credit - all levels
CONTENT: Students begin their introduction to Mandarin by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. In the first year, students will become familiar with the language basics, greetings and introductions, work and school, shopping, travel, and about past/future as they build grammar and vocabulary. Students will explore the culture of the language speaking countries. This is an online course proctored by an SPX foreign language instructor.
PREREQUISITES: None
LENGTH OF COURSE: One year

FL 341 **Mandarin II** 1 credit - Sophomore, Junior, Senior
CONTENT: In the second level, students will continue to build grammar, vocabulary, and speaking skills as they explore friends and social life, dining and vacation, home and health, life and world, everyday things, and places and events. Students will continue to explore the culture of the language speaking countries. This is an online course proctored by an SPX foreign language instructor.
PREREQUISITES: Mandarin I
LENGTH OF COURSE: One year

FL 345 **Mandarin III** 1 credit - Sophomore, Junior, Senior
CONTENT: In the third level, you will reach a higher level of grammar and vocabulary mastery while enriching your speaking skills. You will study tourism and recreation, professions and hobbies, at home and around town, style and personal wellness, business and industry, and arts and academics. Continue to explore the culture of the language speaking countries. This is an online course proctored by an SPX foreign language instructor.
PREREQUISITES: Mandarin II
LENGTH OF COURSE: One year

MATHEMATICS

MT 400	<u>Algebra I</u>	1 credit - Freshman
CONTENT:	This course provides the algebraic foundation for college-bound students. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
MT 406	<u>Honors Algebra I</u>	1 credit - Freshman
CONTENT:	This course provides an accelerated, comprehensive overview of Algebra I. It is designed for the college-bound student who enjoys mathematics and displays procedural and problem-solving skills. Both quantity and complexity of problems are higher than those found in a standard algebra course. The approach is more theoretical. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	ISEE score of 90% or above mathematics and quantitative or department recommendation. Students who do not meet these criteria may take the St. Pius X placement exam.	
LENGTH OF COURSE:	One year	
MT 410	<u>Geometry</u>	1 credit - Freshman, Sophomore
CONTENT:	This is a college-preparatory course, designed to develop an understanding of geometric relations in a plane and in space.	
PREREQUISITES:	Algebra I or Honors Algebra I	
LENGTH OF COURSE:	One year	
MT 411	<u>Honors Geometry/Trigonometry</u>	1 credit - Freshman, Sophomore
CONTENT:	This course presents an accelerated, comprehensive survey of planar and spatial geometric relationships. Designed for the college bound student with exceptional mathematical and critical/analytical ability, students enrolling in this course should have the desire to move beyond the scope of the normal college preparatory curriculum. Students in this course will complete independent or group projects on topics not covered in a regular geometry course. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	80%+ Honors Algebra I/95%+ Algebra I OR 500+ on PSAT 8/9 Math OR teacher recommendation. Students who have completed Algebra I and/or Geometry in eighth grade, and who wish to be placed in this course, must take the St. Pius X placement exam, and receive department chair approval.	
LENGTH OF COURSE:	One year	
MT 420	<u>Algebra II</u>	1 credit - Junior, Senior
CONTENT:	This course provides a detailed study of transformations, linear functions, irrational and complex numbers, quadratic equations, systems of equations, polynomial functions, graphing techniques, and graphical analysis. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	Algebra I, Geometry	
LENGTH OF COURSE:	One year	

MT 423	<u>Honors Algebra II</u>	1 credit - Sophomore, Junior
CONTENT:	This course provides an accelerated, comprehensive program for college-bound students with exceptional ability. It covers all material found in the standard college-preparatory Algebra II course and is expanded to include some Pre-calculus topics. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	80% in Honors Algebra I/95% Algebra I and 80% in Honors Geometry/95% Geometry OR 500+ on PSAT OR teacher recommendation.	
LENGTH OF COURSE:	One year	
MT 425	<u>College Algebra/Trigonometry</u>	1 credit - Junior, Senior
CONTENT:	This course includes topics from advanced algebra and trigonometry and is designed for college-bound students. Graphing calculators are used to explore algebraic and trigonometric concepts. Transformations of data, graphs and equations include work with polynomials, exponential, logarithmic, and trigonometric functions. All students must have everyday access to a TI-84 Plus or TI-84 Plus C graphing calculator.	
PREREQUISITES:	Algebra I, Geometry, Algebra II	
LENGTH:	One year	
MT 430	<u>Pre-Calculus</u>	1 credit - Junior, Senior
CONTENT:	This course focuses on the application of algebra and trigonometry to the study of polynomial, rational, exponential, and logarithmic and trigonometric functions, and their graphs. Special emphasis is given to problem solving, the appropriate use of technology, and skills that are needed for calculus. All students must have everyday access to a TI 84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	Algebra I, Geometry, Algebra II	
LENGTH:	1 year	
MT 435	<u>Honors Pre-Calculus</u>	1 credit - Junior, Senior
CONTENT:	This course is designed for the student who intends to take a calculus course at the high school or college level. This comprehensive, fast-paced course will integrate concepts and procedures from all previous mathematics courses and incorporate the theory, symbolism, and precision necessary to be successful in higher mathematics. Critical thinking, analysis skills, and application of concepts and procedures are emphasized. All students must have everyday access to a TI-84 Plus or TI-84 Plus C graphing calculator.	
PREREQUISITES:	80%+ Honors Algebra II/95%+ Algebra II, or 500 on PSAT math, or teacher recommendation	
LENGTH OF COURSE:	One year	
MT 440	<u>Advanced Placement Calculus AB</u>	1 credit – Junior, Senior
CONTENT:	This course prepares students to take the Calculus AB AP Exam in the spring semester. Students will explore new concepts and applications related to further college study in science, architecture, engineering, pre-medicine, or business. All students must have everyday access to a TI-84 Plus or TI 84 Plus C graphing calculator.	
PREREQUISITES:	80%+ in Honors Pre-Calculus/95%+ Pre-Calculus or PSAT scores of 550+, or a teacher recommendation	
LENGTH OF COURSE:	One year	

MT 450

Advanced Placement Statistics

1 credit - Junior, Senior

CONTENT:

This course will have students exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. All students must have everyday access to a TI-84 Plus or TI-84 Plus C graphing calculator.

PREREQUISITES:

Algebra II Honors or Honors Pre-Calculus/Pre-Calculus or Calculus.

LENGTH OF COURSE:

One year

SCIENCE

SC520	<u>Biology I</u>	1 credit - Freshman
CONTENT:	This course covers biological principles necessary to prepare the student for success in college science, while also emphasizing the practical biological concepts important to his/her own life. Course content includes the study of the metric system, molecule, cells, heredity, evolution, organisms, and populations. This foundation will lead to discussion and study of the six kingdoms of life and will include microbiology and a taxonomic study of plants, invertebrates, and vertebrates with an emphasis on the major systems of the human organism.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
SC 521	<u>Honors Biology I</u>	1 credit - Freshman
CONTENT:	This course provides a more in-depth study of the topics covered in Biology I. Lab work and vocabulary are more detailed and in-depth compared to the standard course. Individual research and outside reading will be required for students to actively contribute to classroom discussions on current topics in the field of Biology.	
PREREQUISITES:	Entrance exam score at or above 90% and recommendation of the science department	
LENGTH OF COURSE:	One year	
SC 522	<u>Advanced Placement Biology</u>	1 credit – Junior, Senior
CONTENT:	This course is designed to be the equivalent of a college introductory biology courses and includes topics and labs covered for biology majors. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Emphasis is placed on developing an understanding of concepts rather than on memorizing terms and technical details. Study of three major topic areas includes molecules and cells, heredity and evolution, and organisms and populations. The course will prepare students to take the AP Biology Exam in the spring. Students will be required to spend extra time outside of regular classroom hours to complete labs and projects to complete this course. These times may be scheduled before or after school hours depending on scheduling.	
PREREQUISITES:	80%+ Honors Biology or Honors Chemistry/95% in Biology or Chemistry, or 1100+ PSAT score, or teacher recommendation	
LENGTH OF COURSE:	One year	
SC 530	<u>Chemistry I</u>	1 credit - Sophomore, Junior
CONTENT:	This course provides a solid foundation of concepts and skills to prepare students for chemistry at the college level. Students are challenged to develop and use critical thinking and problem-solving skills. The unifying theme relating all topics is that the properties of matter are a consequence of their structure. Laboratory experiences challenge the student to apply theoretical concepts to relate them to real world phenomenon. Areas covered include measurement and calculations, classification of matter, matter-energy relationships, atomic and molecular structure, periodicity, the mole concept, formula calculations, solutions, and acids and bases.	
PREREQUISITES:	Biology	
LENGTH OF COURSE:	One year	

SC 531	<u>Honors Chemistry I</u>	1 credit - Sophomore, Junior
CONTENTS:	This is a challenging course that will prepare students interested in pursuing a career in a scientific field. It is designed for students with strong science reasoning ability and work ethic. Areas covered include principles of matter-energy relationships, classification of matter, the mole concept, formula calculations, periodicity, atomic and molecular structures, solubility, acids and bases, equilibrium, and organic chemistry.	
PREREQUISITES:	Placement in Algebra II + 80%+ in Honors Biology/95%+ in Biology or IPC, or PSAT scores of 1000+, or teacher recommendation	
LENGTH OF COURSE:	One year	
SC 535	<u>Advanced Placement Chemistry</u>	1 credit - Junior, Senior
CONTENT:	The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities.	
PREREQUISITES:	85+% in Honors Chemistry/ a 95%in Chemistry I, or score 1100+ on full PSAT, or teacher recommendation	
LENGTH OF COURSE:	One year	
SC 552	<u>Physics</u>	1 credit - Junior, Senior
CONTENT:	Physics 1 is an algebra-based, college prep-level physics course that explores topics such as motion Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves, and sound. It will also introduce electric circuits. It will promote critical thinking skills and scientific reasoning through guided inquiry and problem solving.	
PREREQUISITES:	Completion of Biology & Chemistry and completion or concurrent enrollment in Algebra II	
LENGTH OF COURSE:	One year	
SC554	<u>Conceptual Physics</u>	1 credit - Junior, Senior
CONTENT:	Conceptual Physics explores topics such as motion Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves, and sound. It will also introduce electric circuits. It will promote critical thinking skills and scientific reasoning through guided inquiry and problem solving.	
PREREQUISITES:	Completion of Biology & Chemistry and completion or concurrent enrollment in Algebra II	
LENGTH OF COURSE:	One year	
SC 556	<u>Advanced Placement Physics I</u>	1 credit - Junior, Senior
CONTENT:	AP Physics I is an algebra-based, introductory college-level course that explores topics such as motion Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves, and sound. It will also introduce electric circuits. It will promote critical thinking skills and scientific reasoning and develop independent learners through inquiry.	
PREREQUISITES:	At least a 95%+ in Chemistry I or an 80 in Honors Chemistry, or composite PSAT score of 1100+, or teacher recommendation	
LENGTH OF COURSE:	One year	

SC 557	<u>Advanced Placement Physics II</u>	1 credit - Senior
CONTENT:	AP Physics II is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetisms; physical and geometric optics; and quantum, atomic, and nuclear physics.	
PREREQUISITES:	Successful completion of AP Physics I	
LENGTH OF COURSE:	One year	
SC 567	<u>Environmental Science/Systems</u>	1 credit - Senior
CONTENT:	This course includes the study of natural resources, biodiversity, and ecology. Topics include the flow of energy in ecosystems and biomes, the study of populations and how they change and interact, and the organization of life. Students are introduced to science and the environment and will explore the scientific method, statistics, and models to make informed decisions about issues that affect the environment. The second semester includes the study of energy, pollution, and natural disasters as they impact the environment. Topics include environmental interrelationships and ethics, land use planning, agricultural methods, and the effect of greenhouse gases on climate change, water management, air pollution, waste management, alternative energy sources, and environmental policy and decision-making.	
PREREQUISITES:	Successful completion of Biology	
LENGTH OF COURSE:	One year	
SC 570	<u>Earth and Space Science</u>	1 credit - Junior
CONTENT:	This course will focus on three major science concepts: Earth in Space and Time, Solid Earth, and Fluid Earth. Course content includes geology, oceanography, meteorology, environmental science, and astronomy. Students will study the origin, evolution, and properties of the integrated Earth and planetary systems. Using a chronological framework and a systems approach, students will increase their knowledge of the dynamics of Earth and space using data, models, and observations over time.	
PREREQUISITES:	Successful completion of Biology	
LENGTH OF COURSE:	One year	
SC 575	<u>Forensic Science</u>	1 credit Junior, Senior
CONTENT:	This course provides a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection and scientific procedures used to solve crimes. Using scientific methods students will collect and analyze evidence through case studies and simulated crime scenes. Methods will include fingerprint analysis, ballistics, blood spatter analysis and DNA testing. Students will learn the history, legal aspects, and career options for forensic science.	
PREREQUISITES:	Completion of Biology	
LENGTH OF COURSE:	One year	
SC 582	<u>Engineering Design and Analysis</u>	1 credit - Sophomore, Junior, Senior
CONTENT:	Engineering Design and Analysis is a part of the Engineer Your World program from University of Texas at Austin-This course is designed to build 21st century skills, critical thinking and problem solving, communication and collaboration. Students will be working in a project-based environment developing skills to prepare them for	

a career in an engineering field, train them to think like an engineer, and develop their abilities to complete collegiate level work in the structured environment of an SPX classroom. *This is a dual-enrollment course with University of Texas at Austin. Application, acceptance, and proof of successful completion of UT's Dual Enrollment required to earn the extra grade point for this class. Student's schedules will reflect this higher GPA course after acceptances are released by UT in the fall. Students need to show continued proof of completion of the course to remain enrolled in the honors section. If students choose to take the course at SPX, but do not apply or are not accepted to the UT program, they will be enrolled in the class, but will NOT receive the additional GPA point.

PREREQUISITES: Successful completion of Biology I & Algebra I, and teacher recommendation OR PSAT score of 460+ in math

LENGTH OF COURSE: One year

COMING 2023 – 2024: **Engineering Capstone** 1 credit - Junior, Senior

CONTENT: Engineering Capstone is a part of the Engineer Your World program from University of Texas at Austin. This course gives students the chance to continue applying their knowledge from the Engineering Design and Analysis class. Students

PREREQUISITES: Successful completion of Engineering Design and Analysis

LENGTH OF COURSE: One year

SC 583 **Engineering Applications of Computer Science** 1 credit - Junior, Senior

CONTENT: Engineering Applications of Computer Science is a part of the Engineer Your World Program from University of Texas at Austin and comprises a combination of project-based, socially relevant design challenges and explorations that introduce students to key computing principles in the context of engineering. Students employ engineering processes, skills, and habits of mind to solve more complex challenges that rely on computing, programming, data representation and analysis, algorithmic thinking, and modeling skills that are required for engineering. This course builds on the skills set in year one. Students will be working in a project-based environment to prepare them for a career in an engineering field, training them to think like an engineer, and developing their abilities to complete collegiate level work in the structured environment of an SPX classroom.

PREREQUISITES: Engineering Design and Analysis or teacher recommendation

LENGTH OF COURSE: One year

SOCIAL STUDIES

SS 632	<u>Ancient World History and Geography</u>	1 credit - Freshman
CONTENT:	This course is a study of the history of the world, and its impact on the present time. It also includes study of geography as it shapes the development of cultures, social groupings, activities, technologies, means of communication, and world views. The course seeks to develop skills, attitudes, and behaviors that will enable students to function as effective citizens in a changing world. The course will start with the beginnings of civilization and end with the Middle Ages. Major topics include civilizations of Egypt, China, Greece, Rome, and Africa, and major historical periods.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
SS634	<u>Honors Ancient World History and Geography</u>	1 credit - Freshman
CONTENT:	The course will start with the establishment of the earliest civilizations. These will include the civilizations of Egypt, India, China, Greece, Rome, and Africa through the Middle-Ages. This course is designed for those students with a strong interest in social studies and world events. It is a thorough appraisal of world cultures, geography, history, religion, and art and concentrates on analysis of the reasons behind historical events.	
Prerequisites:	90% or higher on ISEE in Verbal Reasoning and Reading Comprehension or ISEE 7 stanine or above in Verbal Reasoning and Reading Comprehension	
Length of course:	One year	
SS 633	<u>Modern World History and Geography</u>	1 credit - Sophomore
CONTENT:	This course is a study of the history of the world, and its impact on the present time. It also includes study of the development of cultures, social groupings, activities, technologies, means of communication, and world views. The course seeks to develop skills, attitudes, and behaviors that will enable students to function as effective citizens in a changing world. The course will start with the Enlightenment and Scientific Revolution and end with modern times. Major topics include: the French Revolution, WWI, WWII, The Cold War, The Korean War, Vietnam, The Gulf War, and the War in Afghanistan.	
PREREQUISITES:	Ancient World History and Geography	
LENGTH OF COURSE:	One year	
SS638	<u>AP World History: Modern</u>	1 credit - Sophomore
CONTENT:	This course studies the cultural, economic, political, and social developments that have shaped the world since c. 1200 CE to present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. This course is designed for those who have a strong interest in social studies and world events. It is a fast-paced appraisal of culture, geography, economic and political development, history, religion, and art throughout the world.	
PREREQUISITES:	80%+ in Honors Ancient World/95%+ in Ancient World History, or Composite PSAT over 1100 OR PSAT Verbal over 550, or teacher recommendation	
LENGTH OF COURSE:	One year	

SS 600	<u>U.S. History</u>	1 credit - Junior
CONTENT:	This course studies a period of the pre-civil war in America to the current administration of President Biden. It explores in depth the various presidencies and policies that affected the United States during key times of the nation's development. Students will study the major wars and their impact on the American people. The course content also explores the issues of poverty, immigration, economic and social movements, and justice issues throughout the nation's history. Students will be introduced to the social and cultural history of the nation.	
PREREQUISITES:	Ancient and Modern World History and Geography	
LENGTH OF COURSE:	One year	
SS 605	<u>Advanced Placement U.S. History</u>	1 credit - Junior
CONTENT:	The course covers the periods of exploration and colonization to 1763, the Revolutionary era, Constitutional Government, the Jefferson and Jacksonian periods, the split between the North and South, domestic America, and the Imperial Republic during the first semester. The second semester includes the study of the Progressive Movement, World War I, the Great Depression, World War II, and current history. Several texts, outside reading assignments, tables, charts, maps, and graph analysis assist students with in-depth, comprehensive coverage of the events of American history.	
PREREQUISITES:	80%+ in AP World History: Modern/95%+ in Ancient World History and Geography, or composite PSAT over 1100, or PSAT verbal over 550, or teacher recommendation.	
LENGTH OF COURSE:	One year	
SS 615	<u>U.S. History Dual Credit</u>	1 credit (3 college hours) - Junior
CONTENT:	This course provides college-level instruction of U.S. history from Pre-Contact Societies through Reconstruction in the fall and U.S. history from 1877 to present in the spring. The course is taught by a St. Pius X faculty member. It requires college level reading and writing ability. Completion of this year-long course earning a "C" or above will earn students 3 hours of college credit which is reflected on the HCC transcript or other college transcript that the school may use for this course. The course also fulfills the requirement of ½ credit of U.S. Government for graduation. The course is scheduled during the regular high school hours on the SPX campus.	
PREREQUISITES:	Teacher recommendation, and test scores commensurate with state of Texas Dual Credit guidelines.	
LENGTH OF COURSE:	One year	
TEXT:	As required by college	
FEE:	Students pay a fee to Houston Community College. The fee is determined by whether the student lives in or outside of the HCC district.	

SS 640	<u>U.S. Government</u>	1/2 credit - Senior
CONTENT:	This course examines the principles and beliefs upon which the United States was founded and the structure, functions, and powers of government at the national, state, and local levels. Students learn major political ideas and forms of government in history. A significant focus on the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States.	
PREREQUISITES:	Ancient World History and Geography, Modern World History and Geography, and U.S. History	
LENGTH OF COURSE:	One semester	
SS 642	<u>Advanced Placement U.S. Government and Politics</u>	1/2 credit - Senior
CONTENT:	This course is designed to conform to the general standards of the AP program and the study of political behavior. It stresses the study of both general concepts used to interpret U.S. politics and the analysis of specific examples. Special emphasis is placed on the use of cases that describe the activities of citizens and political decision-makers, thus emphasizing an analytical approach to the three branches of government, the federal bureaucracy, and the various unofficial political specialists. Students must have a keen interest in government, politics, current events, and elections.	
PREREQUISITES:	80%+ APUSH/95% US History or PSAT composite score of 1100 or verbal of 550 or teacher recommendation.	
LENGTH OF COURSE:	One semester - spring	
SS 645	<u>Economics</u>	1/2 credit - Senior
CONTENT:	The focus of this course is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The impact of a variety of factors including geography, the federal government, economic ideas from important philosophers and historic documents, societal values, and technological innovations on the national economy and economic policy is an integral part of the course.	
PREREQUISITES:	Ancient World History and Geography, Modern World History and Geography, and U.S. History	
LENGTH OF COURSE:	One semester	

<p>SS 646 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Honors Economics</u></p> <p>This course is open to students who demonstrate proficiency in mathematics and English. It provides students with an opportunity to thoroughly examine the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, with the larger economic system. It places emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. In the second quarter, particular emphasis is given to the study of economic performance measures, economic growth, and international economics. Teacher recommendation, and PSAT composite score of 1100 or verbal of 550</p> <p>One semester, fall</p>	<p>1/2 credit - Senior</p>
<p>SS 656 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Psychology</u></p> <p>An introduction to psychology with a focus on the history, current issues, and future of psychology. Students will learn about psychological research, child development, learning theory, intelligence, memory and thought, sensation, perception, motivation, and emotion. The course also includes a study of the brain and nervous system.</p> <p>None</p> <p>One semester</p>	<p>1/2 credit elective – Sophomore, Junior, Senior</p>
<p>SS 655 Senior CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>AP Psychology</u></p> <p>Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. This course examines the concepts of psychology through reading, discussion, and analyzation of data from psychological research.</p> <p>None</p> <p>One year</p>	<p>1 credit elective – Sophomore, Junior,</p>
<p>SS 670 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Introduction to Sociology</u></p> <p>This course introduces students to sociology. This course combines a look at the American mainstream and contrasts it with sub-cultures and elements of diversity within our nation. Students investigate change and peoples’ ability to deal with change. Students develop tools to evaluate where our society has been and its trek into the future. Students examine topics of current importance such as child abuse, alcoholism, racism, the women’s movement, and religion. Mass media and other popular structures of society such as art and fads will be examined. Students will be better able to understand the problems and complexities of current and future society. Students will gain exposure to art, culture, religion, mass media, and current events.</p> <p>None</p> <p>One semester</p>	<p>1/2 credit - Junior, Senior</p>
<p>SS 680 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Student Leadership</u></p> <p>Student Leadership is a course for students who seek opportunities to expand and deepen their group and individual skills to positively impact their lives and their community.</p> <p>None</p> <p>One semester</p>	<p>1 credit - Junior, Senior</p>

FINE ARTS

FA 600	<u>Handbell Ensemble</u>	1 credit - all levels
CONTENT:	This course is designed to teach students to perform on handbells as an ensemble. They will have opportunities to perform for musical enjoyment at school and community events. Students will develop mental and physical discipline and concentration as well as sight-reading. Many of the current handbell techniques will be learned while playing music from a variety of composers. As skills improve, students will be given the opportunity to perform solos or in small ensembles. This group competes in the TAPPS music competition.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One year	
FA 700	<u>AutoCAD Drafting & 3D Modelling</u>	1/2 credit - Sophomore, Junior, Senior
CONTENT:	Students will explore and receive instruction in basic architecture, engineering, technical theatre, design, art, 3D printing, and many other computer-aided design subjects. This course will inspire critical thinking, problem solving, creative thinking and builds math skills. This course will integrate 3D modelling software.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One Semester	
FA 704	<u>Drawing</u>	1/2 credit elective - Sophomore, Junior, Senior
CONTENT:	This course is a continuation of Visual Foundations with an emphasis on drawing. Both the ability to render real and imaginary will be explored. Students will gain a background of art history from each project.	
PREREQUISITES:	Visual Foundations or the equivalent	
LENGTH OF COURSE:	One semester	
FA 705	<u>Visual Foundations</u>	1/2 credit elective - all levels
CONTENT:	This course is designed to provide the student with a basic appreciation and understanding of compositional structure as a framework for the Visual Arts. It is both product and process oriented, with an emphasis on learning by doing. Members learn the Elements and Principles of Design, how to master basic shapes, sketching with eye-hand co-ordination. Equally, students practice building on the many skill sets they learn, such as line quality, figure ground spatial relationships, Art History research, creative self-expression, and critical analysis of artworks. A sketchbook (blank page spiral) is required to be purchased by the student.	
PREREQUISITE:	None	
LENGTH OF COURSE:	One semester	
FA 706	<u>Painting</u>	1/2 credit elective - Sophomore, Junior, Senior
CONTENT:	This course is designed as an introduction to the process of painting with acrylics and watercolor. Students will learn the properties of color through exercises in color-theory, how to mix paint through a variety of painting exercises. Students will also review design rules, and problem solve via creative exploration and critical thinking exercises. Art Historical research will accompany each assignment. A sketchbook (blank page spiral) is required to be purchased by the student.	
PREREQUISITE:	Visual Foundations or the equivalent	
LENGTH OF COURSE:	One semester	

FA 707 **Textile Art and Design** 1/2 credit elective - Sophomore, Junior, Senior
CONTENT: This course is a design/crafts class that focuses on a myriad of decorative textile design materials such as fabric, fiber, wire, metal, beads, glass, clay, wood, stone, and mixed media. Skillsets learned, include, but are not limited to design, sketching/planning, sewing, macramé, weaving, jewelry making, collage, paper crafting, glass slumping, and wearable art. Art historical knowledge/study lends a rich background in design/decoration and color theory. Equally, a knowledge base of (high profile) contemporary designers will be covered.
PREREQUISITE: Visual Foundations or the equivalent
LENGTH OF COURSE: One semester

FA 708 **Sculpture** 1/2 credit elective - Sophomore, Junior, Senior
CONTENT: This course is designed to introduce the student to the many aspects of sculpture as a working method. Students internalize the Elements and Principles of 3-dimensional Design, explore the manipulation of materials and learn the physical properties of each. Examples of materials; paper, cardboard, clay, foam, found objects, plaster, wire, wood. Students will problem solve with creative solutions to critical thinking exercises. Art Historical research will accompany each assignment. A sketchbook (blank page spiral) is required to be purchased by the student.
PREREQUISITES: Visual Foundations or the equivalent
LENGTH OF COURSE: One semester

FA 714 **Studio Art** 1/2 credit elective - Junior, Senior
CONTENT: This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.
PREREQUISITES: Visual Foundations, one to two additional art courses and teacher recommendation
LENGTH OF COURSE: One semester

FA 717 **Studio Art II** 1/2 credit elective - Junior, Senior
CONTENT: This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor, and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.
PREREQUISITES: Studio Art I and teacher recommendation
LENGTH OF COURSE: One semester

FA 721	<u>Studio Art III</u>	1/2 credit elective - Junior, Senior
CONTENT:	This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and a confidence department as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.	
PREREQUISITES:	Studio Art I and II, and teacher recommendation	
LENGTH OF COURSE:	One semester	
FA 722	<u>Studio Art IV</u>	1/2 credit elective - Senior
CONTENT:	This course is an Independent Study Course designed for the advanced art student; a self-guided course closely facilitated by the teacher. Studio Art requires self-discipline, focus, rigor and confidence as well as the ability to emerge from setbacks and except critical discourse. Equally, the course involves both research/analysis and the fluid production of original crafted by the student. As well, there is a strong and consistent emphasis on self/peer assessment and revision. Active and frequent communication with the teacher is vital to the students' artistic growth.	
PREREQUISITES:	Studio Art I, II, and III, and teacher recommendation	
LENGTH OF COURSE:	One semester	
FA 719	<u>Digital Photography</u>	1/2 credit elective - all levels
CONTENT:	Students will learn how to photograph, digitally edit, and print photos using digital cameras, Adobe Photoshop, and ink jet printers. Students are expected to master the fundamental principles of design, lighting, basic digital camera operation, and computer photography software. Student-owned digital camera, and \$20 for printing cost for supplies required	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
FA 720	<u>Graphic Design Techniques</u>	1/2 credit elective - all levels
CONTENT:	This course is a continuation of Visual Foundations with an emphasis on visual communications and advertising/print media. Students will focus on projects that are design based and include positive/negative space, color, composition, print, logotypes, layout, and typography. Multimedia concepts and studio techniques geared toward a complete visual presentation will be utilized. Sketchbook required	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	

FA 723

Intermediate Digital Photography 1/2 credit elective - Sophomore, Junior, Senior

CONTENT:

Students will learn intermediate photography concepts and increase skills in the use of Adobe Photoshop. They will be introduced to diptychs, triptychs, advanced blending and collage and surreal imagery. They will also study shooting styles including photojournalism and fine art. Students will layer masks and create and use vectors. Students will complete photography assignments for the Del Sarto yearbook along with individual projects. Additional time outside of class is needed for successful completion of this course. Student-owned digital camera, and \$20 supply fee required.

PREREQUISITES:

80 or above in Digital Photography

LENGTH OF COURSE:

One semester

FA 724

Photojournalism

1/2 credit elective - Sophomore, Junior, Senior

CONTENT:

Students will learn camera handling, f-stops, lens variation, shutter speeds, panning, depth of field, and composition. Technical quality will entail metering and bracketing. Students will become familiar with the forms of photojournalism and learn how to prepare a photo for publication. Student-owned digital camera and sketchbook required. Students will complete photography assignments for the Del Sarto yearbook along with individual projects. Additional time outside of class is needed for successful completion of this course."

PREREQUISITE:

Digital Photography

LENGTH OF COURSE:

One semester

FA 761

Theatre Arts I

1/2 credit elective - all levels

CONTENT:

The study of theatre history and basic acting skills are undertaken in this course. Students will experience an overview of drama and musical theatre. Students will be introduced to the basic concepts of theatre arts. Students will use various creative drama techniques to build confidence and trust, stimulate imagination, movement, and role-play. Students will get a better understanding of "performance" in a playful, encouraging, collaborative atmosphere. Students will also focus upon the exploration and analysis of dramatic structure and genres. Through theatre games, performances, and activities students will learn to lose inhibitions and gain self-confidence as performers. Students will perform both classical and contemporary drama/comedy, as well as musical theatre.

PREREQUISITES:

None

LENGTH OF COURSE:

One semester

FA 762 and FA 756

Theatre Arts II and III

1/2 credit elective - Sophomore, Junior, Senior

CONTENT:

The study of theater history and advance acting skills are undertaken in this course. Students will be introduced to more advanced concepts of theatre arts. Students will use various creative drama techniques to build confidence and trust, stimulate imagination, movement, and role-play. Students will get an advanced understanding of "performance" in a playful, encouraging, collaborative atmosphere. Students will also focus on the exploration and analysis of dramatic structure and genres. Through theatre games, performances and activities, students will learn to lose inhibitions and gain self-confidence as performers. Students will perform both classical and contemporary drama, as well as musical theatre.

PREREQUISITES:

Theatre Arts I, participation in two or more shows, or teacher recommendation

LENGTH OF COURSE:

One semester

<p>FA 764 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Technical Theatre I</u> 1/2 credit elective - all levels Students will learn general principles, techniques, methods, and skills used in theatrical design and production. Students will participate in model making, tool practicums, construction, and painting. Students will be required to see a play every quarter and provide a critical analysis.</p> <p>None One semester</p>
<p>FA 760 CONTENT:</p> <p>Prerequisite: Length of Course:</p>	<p><u>Technical Theatre II</u> 1/2 credit - all levels This course offers continued growth in theatrical design with a greater focus on design, lighting, and sound. Students will further develop their construction skills and electrical work.</p> <p>Tech Theatre I or instructor approval One semester</p>
<p>FA 757 and FA 758 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Technical Theatre III and IV</u> 1/2 credit elective - Junior, Senior This course is a hands-on class, with the focus on theatrical production from the ground up. Students will work creatively and collaboratively to design and build for the Veritas Theatre shows. Students in the course will be considered “student technicians” and will have opportunities to work real-world events outside of SPX productions.</p> <p>Technical Theatre II with a passing grade or instructor approval One semester</p>
<p>FA 605 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Band</u> 1 credit elective - all levels 1/2 PE or Fine Arts credit earned for fall semester only This course is designed to teach students to perform as an ensemble and/or soloist. They will have opportunities to perform for musical enjoyment at school, community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of band literature, and improve technical proficiency and creative self-expression both individually and as group participants.</p> <p>Ability to read music and count basic rhythms and play an instrument, or director recommendation One year</p>
<p>FA 615 CONTENT:</p> <p>PREREQUISITES: LENGTH OF COURSE:</p>	<p><u>Percussion</u> 1 credit elective - all levels 1/2 credit PE or Fine Arts earned in fall semester only Students will study all the instruments in the percussion section including the drumline instruments. This course is designed to teach students to perform as an ensemble and/or soloist. They will have opportunities to perform for musical enjoyment at school, community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of percussion literature, and improve technical proficiency and creative self-expression both individually and as group participants.</p> <p>Ability to read music and count basic rhythms and play an instrument, or director recommendation One year</p>

FA 610 **Orchestra** 1 credit - all levels
1/2 credit PE or Fine Arts earned in fall semester only

CONTENT: This course is designed to provide students with the opportunity to learn musical instruments and basic musical concepts. Students will learn to perform as an ensemble and/soloist. They will have opportunities to perform for musical enjoyment at school at school community events and competitions. Students will develop mental and physical discipline, concentration, and memorization skills. Students learn to play music of different composers and different styles. They are provided opportunities to develop responsibility, gain knowledge of diverse literature, and improve technical proficiency and creative self-expression both individually and as group participants.

PREREQUISITES: None
LENGTH OF COURSE: One year

FA 779 **Music Appreciation** 1/2 fine arts credit - Junior, Senior

CONTENT: This course serves as a general survey of music literature. Students will study different periods of music through recordings, videos, and performances of multiple composers. In music appreciation, students will also learn the history of music from the early ages to the present day. Students will discuss how music affects society and the value it holds with the human population. How music was first created and has changed over time will be studied as students explore music in every genre.

PREREQUISITES: None
LENGTH OF COURSE: One semester

FA 780 **Dance I** 1/2 credit - all levels

CONTENT: Fine Arts or PE credit earned
Students will learn applicable dance vocabulary. Students will acquire fundamental skills in ballet, lyrical, hip hop, jazz, modern dance, and more. Students will explore creative expression through movement and develop awareness of the five Elements of Dance: body, action, space, time, and energy. Self-confidence will be developed through use of the body as an expressive instrument in class and by choreographing and performing end of unit routines. Students will need participation attire including appropriate length shorts or leggings, a t-shirt, and appropriate footwear (socks or tennis shoes).

PREREQUISITES: None
LENGTH OF COURSE: One semester

FA 781 **Dance II** 1/2 credit – all levels
Fine Arts or PE credit earned

CONTENT: Dance II is a paced course with more attention to details and technique of ballet, lyrical, hip hop, jazz, modern dance, and more. Students will learn applicable dance vocabulary. Students will explore creative expression through movement and develop awareness of the five Elements of Dance: body, action, space, time, and energy. Self-confidence will be developed through use of the body as an expressive instrument in class and by choreographing and performing end of unit routines. Students will expand on dance knowledge and skill by completing end of unit dance critiques. Students will need participation attire including appropriate length shorts or leggings, a t-shirt, and appropriate footwear (socks or tennis shoes).

PREREQUISITES: Dance I or instructor approval
LENGTH OF COURSE: One semester

BUSINESS

BS 915	<u>Personal Finance</u>	1/2 credit elective - Junior, Senior
CONTENT:	Personal Finance is a one semester course which provides the opportunity to learn everyday "life-skills" including money management, personal recordkeeping, career opportunities and economic risk factors through applications. Students will compete in the Budget Challenge to apply financial literacy.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
BS 919	<u>Business and Personal Law</u>	1/2 credit elective, fall - Junior, Senior
CONTENT:	This course introduces the fundamentals of business and personal areas of law that are of interest to the student. The course will expose the student to the legal system, forms of business organization, fundamentals of contract law, business ethics, and other legal realms affecting today's society and students.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
BS 921	<u>International Business</u>	1/2 credit elective, spring - Junior, Senior
CONTENT:	The course will provide a foundation for studying international business and will cover aspects of conducting business in the global economy. Students will observe how international businesses are dependent upon various factors such as national economies, societies, and cultures.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
BS 925	<u>Career Exploration</u>	1/2 credit elective - Junior, Senior
CONTENT:	Students may assist in the Library, Advancement, Academics, Technology, Office for Campus Ministry, and/or Enrollment departments. Students will develop organizational and social skills needed for post-secondary work. Grading is based on work ethic, conduct, punctuality, and participation. Participation covers demonstrating initiative, accomplishing assignments, working without constant supervision, positive and helpful attitude.	
PREREQUISITES:	Recommendation required	
LENGTH OF COURSE:	One semester	

COMPUTER SCIENCE

CS 911 CONTENT:	<p><u>Computer Applications</u> 1/2 credit - Freshman, Sophomore</p> <p>This course is designed to introduce students to the Microsoft Office365 and SPX platform. Students will learn how to create documents, spreadsheets, and presentations. Students will organize and share files in an online platform and apply internet-based communications skills. Students will complete a major project at the end of each unit which integrates what they have learned. Beginning with the class of 2025, this course will be required in the freshman or sophomore year and serve as a prerequisite for all technology courses.</p>
PREREQUISITES: LENGTH OF COURSE: SOFTWARE:	<p>None One semester Microsoft Office 365</p>
CS 942 CONTENT:	<p><u>Computer Science</u> 1/2 credit elective - Sophomore, Junior, Senior</p> <p>This course is designed to introduce students to the “computational thinking” of Computer Science. The goal is to help students understand the common terminology used in Computer Science. The student is introduced to the elements of program design and implementation, using graphical simulations which resemble computer games although their underpinnings form the basis of computer programming. In a graphical environment, students will learn to create programs which make decisions and respond to keyboard and mouse clicks.</p>
PREREQUISITES: LENGTH OF COURSE: SOFTWARE:	<p>Algebra I One semester Scratch and Processing</p>
CS 944 CONTENT:	<p><u>Web Page Design</u> 1/2 credit - Sophomore, Junior, Senior</p> <p>This is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality; learn how to create and maintain quality web pages; learn about web design standards and why they are important; and learn to create and manipulate images. The course progresses from introductory work on web design to culminating project demonstrating the breadth of web technologies learned throughout the course.</p>
PREREQUISITES: LENGTH OF COURSE: SOFTWARE:	<p>Multimedia or demonstrated proficiency in keyboarding One semester Adobe Photoshop, Microsoft Notepad, and various web browsers</p>
CS 955 CONTENT:	<p><u>AP Computer Science: Principles</u> 1 credit elective – Sophomore, Junior, Senior</p> <p>AP Computer Science Principles covers the principles that underlie the science of computing and develop the thinking skills that computer scientists use. You’ll work on your own and as part of a team to creatively address real-world issues using the tools and processes of computation. Students are expected to produce a 20+ hour project to submit to the College Board.</p>
PREREQUISITES: LENGTH OF COURSE:	<p>Completion of High School Algebra One year</p>

CS 948

CONTENT:

PREREQUISITES:

LENGTH OF COURSE:

SOFTWARE:

AP Computer Science

1 credit elective - Junior, Senior

AP Computer Science emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college level course in Computer Science. It also includes the study of data structures, design, and abstraction.

Computer Science or instructor recommendation

One year

JCreator and Java

CS 950

CONTENT:

PREREQUISITES:

LENGTH OF COURSE:

Robotics I

1 credit elective - Sophomore, Junior, Senior

This course will work to prepare students to work at different levels and to result in the formation of a robotics competitive team. This course will focus on the creation of circuits that are controlled by microprocessors and programmed to reach specific outcomes. Students will follow the engineering design process in a simplified form and will have their work driven by a project-based approach.

Algebra I

One year

PHYSICAL EDUCATION/ATHLETICS

PE 961	<u>Physical Education I</u>	1/2 credit - all levels
CONTENT:	The Physical Education I course emphasizes the importance of continued physical activity and the overall impact it has on life expectancy. Knowledge and skills of movement are acquired to enable the student to pursue a physically active lifestyle and to understand the relationship between physical activity and overall health throughout a life span. The students will explore different styles of exercise and learn the proper etiquette and safety rules of the weight room.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
PE 952	<u>Physical Education II</u>	1/2 credit - Sophomore, Junior, Senior
CONTENT:	Physical Education II emphasizes health-related fitness and an appreciation for teamwork and fair play through team sports. Students will gain knowledge of physical activity and health components that may be used throughout life. Students will demonstrate competency in many movement forms and proficiency in three or more team sports.	
PREREQUISITES:	Physical Education I	
LENGTH OF COURSE:	One semester	
PE 954	<u>Health</u>	1/2 credit - Freshman
CONTENT:	Good health is determined by meeting the physical and emotional needs of the body. This course divides the curriculum into four major areas: knowledge of one's physical self, knowledge of one's emotional self, elements which add to one's health, and elements which take away from one's health. Presenting the facts and allowing the students to make sound decisions based on knowledge rather than myth or hearsay are the crux of this course.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	
PE 959	<u>Physical Education III</u>	1/2 credit - Sophomore, Junior, Senior
CONTENTS:	Students will participate in a range of individual sports selected by the instructor. Students will acquire movement knowledge and skills that provide the foundation for enjoyment and continued social development through physical activity. Student selections of individual sports activities that are enjoyable are a major objective of this course.	
PREREQUISITES:	Physical Education II	
LENGTH OF COURSE:	One semester	
PE 000	<u>Athletics</u>	1 credit - Sophomore, Junior, Senior
CONTENT:	This credit is earned when students participate in athletics beyond the school day; this is not a scheduled class. Students have the option of participating in after-school teams including baseball, basketball, cheer, color guard, cross-country, drill, football, rugby, softball, track, golf, soccer, rugby, lacrosse, swimming, tennis and volleyball. Required during and after school are practice, competing against other schools, and following the regulations of the Athletic Department. This credit is earned when students participate in athletics beyond the school day; this is not a scheduled class.	
PREREQUISITES:	None	
LENGTH OF COURSE:	One semester	

PE 967	<u>Intro to Kinesiology and Sports Medicine I and II</u>	1 credit - all levels
CONTENT:	This course provides an opportunity for the study and application of components of kinesiology and sports medicine. Topics of study include human movement, sports medicine, concepts of sport injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CRP/AED, the injury process, skin conditions, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.	
PREREQUISITES:	Health	
LENGTH OF COURSE:	One year	
PE 930, 940	<u>Athletics—Men’s Sports Prep: Fall/Spring</u>	1/2 credit - all levels
CONTENT:	Athletics Sports Prep is a class designed for athletes who complete on an SPX team (football, rugby, etc.). The class varies in content to give students time to participate in strength training, conditioning, as well as skill development for their specific sport.	
PREREQUISITES:	Athletic director or head coach recommendation	
LENGTH OF COURSE:	One semester	
PE 931, 941	<u>Athletics—Women's Sports Prep: Fall/Spring</u>	1/2 credit - all levels
CONTENT:	Athletics Sports Prep is a class designed for athletes who complete on an SPX team (volleyball, softball, etc.). The class varies in content to give students time to participate in strength training, conditioning, as well as skill development for their specific sport.	
PREREQUISITES:	Athletic director or head coach recommendation	
LENGTH OF COURSE:	One semester	

STUDY LAB

SL

CONTENT:

Study Lab

0 credits

Study labs are reserved for junior and senior students who need additional time for advanced course work and/or meeting with the college counselor. This time is expected to be productive time to work on course work. Students using this as 'free time' may be removed. Freshmen and Sophomore students may request a study lab however counselor approval will be required. Students are only eligible if they are on-track to fulfilling graduation requirements. Study labs are not guaranteed for any students.

PREREQUISITES:

Students who are on-track to fulfill their graduation requirements

LENGTH OF COURSE:

One semester

AP Family Agreement

Advanced Placement (AP) is a nationwide program that is designed to prepare secondary students for higher education. AP classes provide rigorous, college-level curriculum in various subjects and the opportunity to earn college credits or advanced college standing. The AP Program is administered by the College Board under the advisement of national groups of educators.

While St. Pius X encourages all students to enroll in courses that push their academic skills, we also would like to acknowledge that AP courses are college-level rigor and therefore students and families should be prepared for the additional expectations and responsibilities as outlined below. Students interested in enrolling in an AP course are required acknowledgement of the following policies:

1. AP courses will be taken by students interested in experiencing college level curriculum and expectations. Students and families acknowledge that they are not enrolling in AP courses for the additional grade point average.
2. AP courses require additional effort **on the part of the student**. Due to the nature of the coursework this additional time may include: an hour of homework per AP class, additional tutorials as needed, and additional time commitments outside of the school day for studying and/or completing practice exams.
3. AP courses are designed to be college-level curriculum and therefore classes may move at a faster speed than non-AP courses.
4. Students enrolled in AP courses are expected to take and give their best effort on the AP exam. Refusal to take the exam or lack of effort on an exam may preclude the student from enrolling in further AP courses in the future.
5. Enrollment in AP classes will be approved if students meet the criteria as outlined in the course catalog.
6. Students wishing to enroll in four or more AP classes in the same academic year must get the additional approval of the Dean of Academics.
7. Students are expected to enroll in AP classes for the duration of the school year. Dropping from the class at the beginning of the year or mid-year is not permitted unless there are extenuating circumstances. This change must first be approved by the teacher, counselor, and Dean of Academics.

Student

Parent/Guardian

Dean of Academics