

Salesian High School
Course Booklet 2021 - 2022



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www.salesianhigh.org

CEEB Code 333375

GRADUATION REQUIREMENTS

Required credits:

4.5 credits of English
4 credits of Religious Studies
4 credits of Mathematics
4 credits of Social Studies
2 credits of Physical Education
3 credits of Science
4 credits of Elective Choices
3 credits of World Language
1 credit of Art/Music
.5 credits of Health

Rank in Class:

At the end of each semester, a student receives a ranking based on an adjusted career grade average. Rank is weighted. All courses, with the exception of Physical Education and Band, are ranked. Weighting Numerical grades are weighted to reflect the degree of academic difficulty: Honors courses are 1.02; Iona College Link Courses (Political Science) and Advanced Placement Courses are 1.06.

GPA:

NUMERICAL	GRADE	POINTS
97-100	A+	4.33
93-96	A	4.00
90-92	A-	3.67
87-89	B+	3.33
83-86	B	3.00
80-82	B-	2.67
77-79	C+	2.33
73-76	C	2.00
70-72	C-	1.67
68-69	D+	1.33
66-67	D	1.00
65	D-	.67
64	F	.00

STUDENT SCHEDULING

Course planning and selection is a process that merits careful thought and investigation before making final choices. The decisions you make are extremely important for your next step into college as well as for your future direction in life. In an effort to guide all SHS students to their highest potential, the faculty members in all departments have assigned pre-requisites to most courses. This process has been completed with great care and experience. You should seek the advice of your teachers, your parents and your guidance counselor to help you understand the available options and to help you make responsible and realistic choices.

Once the master schedule is complete, schedule changes will be allowed on a very limited basis. The Director of Guidance, in consultation with the Assistant Principal for Academics, must approve all schedule change

requests. Schedule change requests **ARE NOT** guaranteed. These requests will require parent permission and may require teacher permission and administrative approval.

CORE CURRICULUM (BY CONTENT AREA)

RELIGION

Course Title: Religion 9

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: None

Description: Part One: Fundamentals of the Catholic Faith, **Part Two:** Revelation & Scripture

Part One: This course is designed to give students who are new to SHS and perhaps also to Catholic school in general, a basic understanding of Catholicism. **Part Two:** This course continues the introduction to the Catholic Faith by examining the Scriptures and showing the student how to read them with understanding and profit.

Course Title: Religion 10

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: Religion 9

Description: Part One: Christian Morality, **Part Two:** Sacraments

Part One: This course teaches the basics of Christian morality and ethical teaching based on the Bible and teachings of the Catholic Church. Moral issues facing the students are discussed. **Part Two:** This course shows the students how Christ is present and active in his Church through sacramental signs.

Course Title: Religion 11

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: Religion 10

Description: Part One: The Paschal Mystery, **Part Two:** Church History

Part One: This course “unpacks” the meaning of God’s sacred and mysterious plan from creation, onward to the consequences of the fall and the promise of a Savior, while ultimately focusing on the Life, Passion, Death, and Resurrection of Jesus Christ. **Part Two:** The goal of this course is to change the lives of students by making real-life connections between what they are learning about the Church and how they encounter Jesus in the contemporary world.

Course Title: Current Issues in Sociology**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Religion 11**Description: Part One:** Catholic Social Teaching, **Part Two:** Vocations (Apologetics)

Part One: After reviewing the basics of Catholic morality, this course gives an overview of the Church's social teaching based on the 7 themes of the US Bishops' Conference. **Part Two:** After a general introduction on how God has called and does call today, students will examine the different Christian vocations in the Church and how they can fulfill God's plan. Seniors conclude their study of religion with a short "mini-course" on defense of the Faith.

ENGLISH**Course Title: English 9****Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: This course is designed to read a wide range of literary genres, both classic and contemporary, with the understanding of basic literary terms such as characterization, theme, plot, symbolism, etc. Students will learn to read and interpret literature critically, as well as improve their writing, oratory, and outlining skills. Students will be introduced to the questioning and writing style of the NYS ELA Regents. In addition, students will work with research-based writing, writing from primary and secondary sources, and be taught the foundation of research skills when it comes to determining credible sources. A midterm and final exam are required for successful completion of the course.

Course Title: English 9 Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program

Description: In this accelerated English 9 class, students will improve their reading skills, especially in vocabulary, attention to detail, identifying theme and tone and analyzing the effect of literary techniques on meaning. Writing will primarily be research based and interpretive focusing on content, organization, style, complex sentence structure and other conventions. To enhance communication skills, students will practice discussion techniques and presentation projects in oral, written, and visual formats. Students will read a wide range of genres, both classic and contemporary, that entail complex themes and philosophical quandaries. In addition, students will be introduced to the questioning and writing that makes up the NYS ELA Regents. A midterm and final exam are required for successful completion of the course.

Course Title: Freshman Writing

Term: Full Year
Credit: 0.5
Weight: 0.5

Prerequisite: None

Description: This course is designed to engage students in the writing process. Pre-writing exercises, responses and revisions of the essay structure will be emphasized. Students will apply this method to formulate various narratives, descriptive, expository and persuasive essays. The course will also act as further instruction in researched based writing, the MLA documentation format style of writing, and researching and finding credible sources on the internet and in library databases. In addition, students will strengthen their grammar skills and expand their writing tone, adjusting to the organization, outlining, and writing expectations of high school.

Course Title: Freshman Honors Seminar

Term: Full Year
Credit: 0.5
Weight: 0.51

Prerequisite: Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program

Description: This course serves as an introduction to writing, the writing process, rhetoric (the art of persuasion), and argumentation. During the first semester students will refine their knowledge of Standard English grammar and style, and develop an understanding of the writing process, with an emphasis on brainstorming, organization, and revision. Students will also become familiar with the numerous modes and genres of writing. The second semester will expand on the writing skills developed in the first semester by developing a knowledge of rhetoric and argumentation. The second semester will emphasize the research skills necessary to crafting a successful argument. These research skills will focus on evaluating sources, using databases, and incorporating quotation ethically according to the standards of citation.

Course Title: English 10

Term: Full Year
Credit: 1.00
Weight: 1.00

Prerequisite: English 9

Description: In the English 10 course, students build upon writing skills to be used across the curriculum, research-based writing skills, and preparation for the English Language Arts NYS Regents exam taken mid-junior year. The literature content of the course diversely spans 19th century American Literature from the Romantic period through 1860, World Literature, and core Young Adult novels. The course is broken into units of prose, drama, and poetry, using the literature to enhance students' reading skills and ability to write from and about each text. The course also offers SAT and ACT preparation in reading comprehension and vocabulary skills. A midterm and final exam are required for successful completion of the course.

Course Title: English 10 Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Required course for Sophomore Honors Scholars. Eng 9+ students may enter if they have achieved a final average of an 85 or better. Non-honors students may enter if they achieved a 90 as a final average in English 9, as well as positive behavioral and academic recommendations from Administration, English 9 instructor and Guidance department.

Description: In the English 10 Honors course for sophomores, students build upon skills taught in English 9+. The course builds on writing skills to be used across the curriculum, researched based writing skills and preparation for the English Language Arts NYS Regents exam taken mid-junior year. Students will also be introduced to the rhetorical strategies and other skills needed to succeed on the AP Language and Composition exam taken in May of junior year and the AP Literature and Composition exam taken in May of senior year.

The literary content of the course diversely spans 19th century American Literature from the Romantic period through 1860, in addition to World Literature. Honors tracked students are exposed to complex literary theory that breaks down the important structural, philosophical, and linguistic facets of each composition. The course is broken into units of prose, drama and poetry, while using the literature to enhance students' critical reading skills along with their ability to write from and about text. The course also offers SAT and ACT preparation in reading comprehension and vocabulary skills. A midterm, final exam and term paper are required for successful completion of the course.

Course Title: American Literature**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** English 10

Description: This is a chronological overview of American Literature from 1860 - Present Day, covering the political, social, economic and cultural changes that have occurred during the decades in American society. The course also focuses on the writers of such times and their reactions and literary responses to the ever-changing landscape of America in this formative period (from Realism to the Contemporary) across all genres of literature. The course builds on skills learned from English 10 as well as ELA Common Core Regents preparation; students will take the NYS Regents exam in January in place of a Midterm Exam. Students are exposed to S.A.T. Preparation, Strategies and Test Taking Skills, and Vocabulary and Comprehension Enrichment. Students will also learn and work with rhetorical strategy usage in all writing assessments throughout the course. Successful completion of a final exam is required.

Students are required to take the January NYS ELA Regents examination that will also count as the 1st semester exam grade.

Course Title: AP Language and Composition**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Required Course for St. Francis DeSales Honors program.* English 10 Honors students may enter if they achieved an 85 as a final average in English 10 Honors. Non-honors students may enter if they achieved a 90 or above as a final average in English 10, as well as positive behavioral and academic recommendations from Administration, English 10 instructor and Guidance department.

Description: This course will provide students with the intellectual challenges and workload consistent with a typical undergraduate English Literature class. At the culmination of the course, the students will take the AP English Language and Composition Exam given in May. Based on their scores, they may be granted Advanced Placement, College credit, or both at colleges and universities throughout the United States. The course is a chronological overview of American Literature from 1860 - Present Day, covering the political, social, economic and cultural changes that have occurred during the decades in American society. The course also focuses on the writers of such times and their reactions and literary responses to the ever-changing landscape of America in this formative period (from Realism to the Contemporary) across all genres of literature.

The course builds on Skills learned from English 10 as well as ELA Common Core Regents preparation; students will take the exam in January in place of a Midterm Exam. Students are exposed to S.A.T. Preparation, Strategies and Test Taking Skills and Vocabulary and Comprehension Enrichment. There are three research-based writing assignments and college level in-class essay writing assignments. Students will also learn and work with Rhetorical Strategy usage in all writing assessments throughout the course. Honors tracked students are exposed to complex literary theory that breaks down the important structural, philosophical, and linguistic facets of each composition.

Students are required to take the January NYS ELA Regents examination, which will also count as the 1st semester exam grade, as well as the Advanced Placement examination (Additional testing fee required.)

Course Title: World Literature: Diverse Voices & Perspectives**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: Students will be introduced to a selection of global contemporary and classical literary works. One of the goals of the class is to analyze and discuss the works in their respective socio-historical contexts, with special focus on the theme of encounter, the coming together of two or more things, ideas or people (for example, civil rights activists deliberately encountered segregation so they could protest it). Furthermore, the impact of various factors such as class, race, gender, generation, and religion will be taken into consideration in our discussions. Students will improve their reading, speaking, listening, writing, studying, viewing, and thinking skills and become increasingly autonomous learners through cooperative literature circles, student-led classes, and choice book units. A Midterm and Final Exam are required for successful completion of this course.

Course Title: AP English Literature and Composition**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Required Course for St. Francis DeSales Honors program.* Honors students must have an 85 as a final average in AP English Language and Composition. Non-honors students may enter if they achieved a 90 or above as a final average in American Literature, as well as positive behavioral and academic recommendations from Administration, English 11 instructors and guidance department

Description: Students in this college-level course read and carefully analyze, British, European, American and Multicultural literature written in a variety of time periods and genres. This course will provide students with the intellectual challenges and workload consistent with a typical undergraduate English Literature class. At the culmination of the course, the students will take the AP English Literature and Composition Exam given in May. Based on their scores, they may be granted advanced placement, college credit or both at colleges and universities in the United States.

This course is designed to focus on critical and analytical thinking skills through various forms of literature. Emphasis will be placed on writing skills in conjunction with the materials that will be read. It is designed to focus on critical and analytical thinking skills through the various forms of literature, with a major concentration on the novel. The genre of short fiction, poetry, drama, the novel and the essay will be read, analyzed and interpreted through class discussions and writing assignments. The course also requires a midterm exam and a final researched based paper for successful completion.

Students are required to take the Advanced Placement examination which requires an additional testing fee.

MATH

Course Title: Algebra I**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: This first level course reviews the elements of Algebra and is designed to develop depth understanding of mathematical content in verbal, symbolic, tabular, and graphical form. It includes relationship between quantities, reasoning with equations, linear and exponential relationships, descriptive statistics, quadratic functions, operations with radicals, and use of equations in problem solving.

Students are required to take the June NYS Algebra I Regents examination, which will also count as the Final Exam grade

Course Title: Algebra I Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program

Description: Algebra I Honors follows the same course materials Algebra I, however, topics that are no longer covered in Algebra Common Core will be included in this course. This raises interests and fosters more critical thinking skills. Projects are completed in each semester.

Students are required to take the June NYS Algebra I Regents examination, which will also count as the Final Exam grade.

Course Title: Pre - Algebra**Term:** Full Year**Credit:** 0.5**Weight:** 0.5

Prerequisite: Placement based on TACHS scores and/or Salesian High School Scholarship Exam and/or Elementary/Middle School grades.

Description: The purpose of this course is to provide an improved mathematical foundation upon which higher level courses will build. Topics will vary depending on the students and their individual needs. This course and does not meet the graduation requirement for mathematics and is taken concurrently with Algebra I and Study/Social Skills.

Course Title: Accelerated Algebra**Term:** One Semester (Fall/Winter)**Credit:** 1.00**Weight:** 1.02

Prerequisite: Admission to Math Leaders Program

Description: Accelerated Algebra follows the same course materials Algebra I + covered in one semester. However, topics no longer covered in Algebra Common Core are included in this course. This raises interests and fosters more critical thinking skills. Projects are completed each semester.

Students are required to take the January NYS Algebra I Regents examination, which will also count as the Final Exam grade.

Course Title: Accelerated Geometry**Term:** One Semester (Spring)**Credit:** 1.00**Weight:** 1.02

Prerequisite: Admission to Math Leaders Program; Accelerated Geometry requires a minimum 85% average in Accelerated Algebra I, and recommendation of Accelerated Algebra I teacher, with approval of Math Leader Coordinator

This course approaches congruence, similarity, and symmetry from the perspective of geometric transformations. Traditional topics of plane and solid geometry, as well as trigonometry of the right triangle are included.

Students are required to take the June NYS Geometry Common Core Regents examination, which will also count as the Final Exam grade.

Course Title: Geometry**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Algebra I

Description: This course approaches congruence, similarity, and symmetry from the perspective of geometric transformations. Traditional topics of plane and solid geometry, as well as trigonometry of the right triangle are included. The correspondence between numerical coordinates and geometric points allows methods from algebra to be applied to geometry and vice versa.

Students are required to take the June NYS Geometry Regents examination, which will also count as the Final Exam grade.

Course Title: Geometry Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: *Required Course for St. Francis DeSales Honors program.* Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program; Student must have achieved an overall final average of 85% in Algebra I Plus; 90% overall average if enrolled in Algebra I; Recommendation of 9th grade Math teachers, approval of Math Department Chair.

Description: This course includes the regular Geometry course and goes further in depth on topics not covered. These students also have a project assigned to them relating to Geometry in real world situations.

Students are required to take the June NYS Geometry Regents examination, which will also count as the Final Exam grade.

Course Title: Accelerated Algebra 2/ Trigonometry**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must achieve an overall average of 85% in Accelerated Geometry, with the approval of the Accelerated Geometry teacher and Math Leader Program Coordinator

Description: This course includes the traditional topics of Intermediate Algebra and Trigonometry: rational expressions, radicals and complex numbers, quadratics, relations and functions, exponents, logarithms, trig functions, trig graphs, trig applications, and trig equations and identities. In addition, the course includes probability, sequences and series, and statistics. An exam will be administered in June.

Students are required to take the January NYS Common Core Algebra II Regents examination, which will also count as the Final Exam grade.

Course Title: Algebra II**Term:** Full Year**Credit:** 1.00**Weight:** 1.00

Prerequisite: Algebra I and Geometry

Description: This course includes the traditional topics of Algebra: rational expressions, radicals and complex numbers, quadratics, relations and functions, exponents, logarithms, sequences and series.

Students are required to take the June NYS Algebra II Regents examination, which will also count as the Final Exam grade.

Course Title: Algebra II/Trigonometry Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: *Required Course for St. Francis DeSales Honors program.* Student must have achieved an overall final average of 85% in Geometry Honors; 90% overall average if enrolled in Geometry; Recommendation of 10th grade Math teachers, approval of Math Department Chair.

Description: This course includes the traditional topics of Algebra and Trigonometry: rational expressions, radicals and complex numbers, quadratics, relations and functions, exponents, logarithms, trig functions, trig graphs, trig applications, and trig equations and identities. In addition, the course includes probability, sequences and series, and statistics.

Students are required to take the June NYS Algebra II Regents examination, which will also count as the Final Exam grade.

Course Title: Pre - College Algebra**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Algebra I, Geometry and Algebra II

Description: This course covers topics including special products, factoring, and other operations on polynomials, rational and radical expressions, integral and rational exponents, and scientific notation. In addition, analytic and graphical methods of solving linear equations, linear systems, literal equations, and elementary polynomial equations are covered. Students are also introduced to the analytic geometry of functions, including lines, circles, and parabolas. Diverse applications are emphasized throughout the course. This course prepares students for college level mathematics.

Course Title: Calculus**Term:** Full Year**Credit:** 1.00**Weight:** 1.00

Prerequisite: Algebra, Geometry and Algebra II. Students must have achieved at least 85% in their previous math course. Any student never having taken an honors level math student may enter if they achieved at least a 90% in their previous Math course, with recommendation from their 9th and 11th grade Math teachers and approval of the Math department chair.

Description: This course focuses on the study of change, from a mathematical perspective. The course is broken into two parts: Differential Calculus and Integral Calculus. Today, calculus is a popular course offered in college and has multiple uses in science, engineering and economics. The purpose of this course is to enhance the students' conceptual understanding and mathematical reasoning. It also develops their problem-solving skills and ability to collaborate with others. Students will learn to apply concepts and procedures at a higher level, that challenging them to become the best that they can be. The topics of this course include: functions, limits, continuity, derivatives, definite integrals, and differential equations.

Course Title: Linear Algebra**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: Algebra, Geometry, Algebra II and a Calculus course. Math Leaders/Honors students must have achieved at least an 85% in AP Calculus; Non-Math Leaders must have achieved at least a 90% in Calculus, with recommendation from their previous Math teacher and approval of the Math department chair.

Description: This linear algebra course focuses on matrix theory. This course revolves around systems of linear equations and the properties of matrices. The content included in the curriculum is extremely useful in economics, physics, and engineering. The topics included in this course are: linear equations and matrices, solving linear systems, determinants, real vector spaces, inner product spaces, linear transformations and matrices, eigenvalues, and eigenvectors.

Course Title: AP Calculus**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Required Course for St. Francis DeSales Honors program.* 85% final average in Previous Honors; 85% in Alg.2/Trig. Honors and approval of the Math department. Non-Honors students may enter if they have achieved a 90% final average in their previous math course, with recommendation from their previous Math teacher and approval of the Math department chair.

Description: A college level course in elementary calculus. Topics include limits, differentiation, integration, logarithmic and exponential functions, area between curves, volumes of solids of revolution, separable differential equations, slope fields and additional applications.

Students are required to take the Advanced Placement examination, which requires an additional testing fee.

SCIENCE

Course Title: The Living Environment**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: This Regents level course is designed to provide a broad understanding of the fundamental principles of Biology and to provide an extension of understanding in selected areas. Stress is placed on biological terminology, laboratory skills and equipment, historical development of biology, and learning through the application of scientific methods.

Major areas of emphasis are: Biochemistry, Cellular processes, Reproduction & Development, Genetics, Evolution, Ecology & Human Ecology. In the course of study, students will perform laboratory work and complete written reports.

Students are required to take the June NYS Living Environment Regents Exam, which will also count as the Final Exam grade.

Course Title: The Living Environment Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program

Description: This Regents level course follows same course material as Living Environment; however, more emphasis is placed on the analytical aspect of Biology. Stress is placed on biological terminology, laboratory skills and equipment, historical development of biology, and learning through the application of scientific methods.

Major areas of emphasis are: Biochemistry, Cellular processes, Reproduction & Development, Genetics, Evolution, Ecology & Human Ecology. In the course of study, students will perform laboratory work and complete written reports. Students are required to complete a project each semester.

Students are required to take the June NYS Living Environment Regents Exam, which will also count as the Final Exam grade.

Course Title: Health

Term: Full Year

Credit: 0.5

Weight: 0.5

Prerequisite: None

Description: This course is designed to inform and assist adolescent students with the fundamentals of health as they enter adulthood. In this course of study, students will focus on the basics of nutrition and hygiene, and the physical, mental and social aspects of their development. Examination of critical health issues such as substance abuse and disease prevention will be discussed. Students will be instructed in CPR during the course.

Course Title: Regents Earth Science

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: None

Description: This Regents Level course covers the NYS Curriculum including the topics Astronomy, Meteorology, Geology, and Plate Tectonics. Students are given extensive experience with finding and retrieving specific pertinent information from Reference Tables and applying the information to arrive at accurate conclusions. Lab work is an integral part of the course. Regents Earth Science includes a Lab "Practical" i.e. a test of acquired lab skills in the areas of Eccentricity Determination, Epicenter Location, and Rock & Mineral Identification.

Students are required to take the June NYS Earth Science Regents Exam, which will also count as the Final Exam grade.

Course Title: Forensic Science

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program* - Student must have previously committed to enrolling in the band program for two years to satisfy their Art/Music requirement.

Description: Forensic Science is the application of science (Chemistry, Physics, and Biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples.

Course Title: Oceanography**Term:** One Semester (Fall/Winter)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None; Student is required to enroll into Astronomy**Description:** In this course, students will recognize that the ocean is a dynamic system reflecting interactions among organisms, ecosystems, chemical cycles, and physical and geological processes, on land, in air, and in the oceans. Students will investigate oceanography concepts through experience in laboratories and fieldwork using the processes of inquiry.**Course Title: Astronomy****Term:** One Semester (Spring)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** Student is required to have enrolled into Oceanography**Description:** In astronomy, students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and its evolution and fate. Although largely descriptive, the course will occasionally require the use of sophomore-high level mathematics. Laboratory exercises include experiments in light properties, measurement of radiation from celestial sources, and observations at local observatories and/or planetariums.**Course Title: Regents Chemistry Honors (10th Grade)****Term:** Full Year**Credit:** 1.00**Weight:** 1.02**Prerequisite:** Student must have taken the Living Environment and Algebra I Regents, achieving a minimum score of 85 or better; Student must have achieved an overall final average of 85% in Honors Level Living Environment and Algebra I; 90% overall average if enrolled in Non-Honors Level Living Environment and Algebra I courses; Recommendation of 9th grade Science & Math teachers, approval of Science Department Chair.**Description:** This Regents Level Chemistry course covers the broad range of the Chemistry curriculum designated by NYS. The course will cover Atomic Structure, Bonding, The Periodic Table, Physical Behavior of Matter, Kinetics & Equilibrium, Acids & Bases, Oxidation-Reduction Reactions, Nuclear Chemistry, and Organic Chemistry. Lab work included in the study of each topic will enhance the student's understanding of these varied areas of Chemistry. Landmark experiments such as the Double Slit Experiment, Photoelectric Effect, Quantum Mechanics and related contemporary topics will be an integral part of the coursework.***Students are required to take the June NYS Chemistry Regents Exam, which will also count as the Final Exam grade.***

Course Title: Regents Chemistry (11th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00

Prerequisite: Student must have taken the Earth Science Regents, achieving a minimum score of 85 or better; Student must have achieved an overall final average of 85% in Earth Science; Recommendation of 10th grade Science teacher, approval of Science Department Chair.

Description: This Regents Level Chemistry course covers the broad range of the Chemistry curriculum designated by NYS. The course will cover Atomic Structure, Bonding, The Periodic Table, Physical Behavior of Matter, Kinetics & Equilibrium, Acids & Bases, Oxidation-Reduction Reactions, Nuclear Chemistry, and Organic Chemistry. Lab work included in the study of each topic will enhance the student's understanding of these varied areas of chemistry. Landmark experiments such as the Double Slit Experiment, Photoelectric Effect, Quantum Mechanics and related contemporary topics will be an integral part of the coursework.

Students are required to take the June NYS Chemistry Regents Exam, which will also count as the Final Exam grade.

Course Title: Regents Physics Honors**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must have taken the Chemistry Regents, achieving a minimum score of 85 or better; Student must have achieved an overall final average of 85% in Honors Level Chemistry and Math; 90% overall average if enrolled in Non-Honors Level Math courses; Recommendation of 10th grade Science & Math teachers, approval of Science Department Chair.

Description: Physics is the science that seeks to answer the most basic questions about the physical universe. A broad range of fundamental phenomena are therefore in its domain, including motion, force, heat, energy, electricity, magnetism, atomic structure, wave behavior, and optics. Physics is a comprehensive overview of this science. It provides students with an opportunity to apply and develop their skills in mathematical and mechanical problem solving. For students going on to further work in the sciences, the health professions, or engineering, this course is particularly helpful.

Students are required to take the June NYS Physics Regents Exam, which will also count as the Final Exam grade.

HISTORY

Course Title: Global Studies I

Term: Full Year
Credit: 1.00
Weight: 1.00

Prerequisite: None

Description: This course is the first half of a two-year course specifically designed to prepare students to master the Global History and Geography Examination. Students will use a variety of intellectual skills to demonstrate their understanding of the History and Geography of the World from prehistory to the Enlightenment.

Students will demonstrate their understanding through the analysis of primary source documents, writing, research, debates, oral presentations, and simulations in addition to traditional tests and quizzes.

Course Title: Pre-AP World History

Term: Full Year
Credit: 1.00
Weight: 1.02

Prerequisite: Student must have been invited and accepted into the St. Francis DeSales Honors Scholars Program

Description: This course is the first half of a two-year course specifically designed to prepare students to master the AP World History Examination. Students will use a variety of intellectual skills to demonstrate their understanding of the History and Geography of the World from prehistory to the Enlightenment. Students will demonstrate their understanding through the analysis of primary source documents, writing, research, debates, oral presentations, and simulations in addition to traditional tests and quizzes.

This course will challenge students with increased rigor and activities modeled on the Advanced Placement examination model. Textbook and related readings and materials will be specifically chosen with a higher reading level and expectation set in mind.

Course Title: Global Studies II**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Global Studies I

Description: This course is the second half of a two-year course specifically designed to prepare students to master the Global History and Geography Examination. Students will use a variety of intellectual skills to demonstrate their understanding of the History and Geography of the World from the Enlightenment to the modern day.

Students will demonstrate their understanding through the analysis of primary source documents, writing, research, debates, oral presentations, and simulations in addition to traditional tests and quizzes. Textbook and related readings and materials will be specifically chosen with a higher reading level and expectation set in mind. *Cross-curriculum with the Art and English Department including summer readings. *

Students are required to take the June NYS Global Studies Regents Exam, which will also count as the Final Exam grade.

Course Title: A. P. World History**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: 85% overall average in an Honors Level Social Studies course; 90% overall average in a Non-Honors level Social Studies course; Recommendation of 9th grade teacher and approval of Department Chair.

Description: A.P. World History is a rigorous course designed to introduce sophomore students to college level studies. The purpose of the course is to develop greater understanding of global connections in comparisons of the diverse cultures of the human family. All students enrolled in the course are expected to sit for the A.P. exam in May. Summer reading is required. *Cross-curriculum with the Art and English Department; including summer readings. *

Students are required to take the June NYS Global Studies Regents Exam, which will also count as the Final Exam grade. Students are also required to take the Advanced Placement examination (additional testing fee required.)

Course Title: United States History**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** 9th & 10th grade Global Studies

Description: This course will cover the major people, places and events in American history, starting with the early explorers and continuing on to present day. Students will analyze charts, primary sources, political cartoons and further develop their critical reading and writing skills. This course will prepare students to achieve success on the New York State United States History and Government Regents Examination.

Students are required to take the June NYS U.S. History Regents Exam, which will also count as the Final Exam grade.

Course Title: A. P. United States History**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: 9th & 10th grade Social Studies; 85% overall average in previous Honors Level Global Studies course; 90% overall average in a Non-Honors level Global Studies course; Recommendation of 10th grade teacher and approval of Department Chair.

Description: The student will be able to:

- Analyze and critically evaluate primary source material and documents within their historical context
- Write a cogent and persuasive essay incorporating a clear thesis statement based upon documents and their outside knowledge
- Research and present position papers and oral arguments to be used to stimulate class discussion
- Listen attentively to the thoughts and opinions of others and build mutual consensus or tolerate different opinions
- Use a variety of resource materials to research major themes or problems in American history
- Enhance student's ability to take notes, listen and comprehend college level historical material discussion and dialogue
- Draw inferences, identify relationships, detect inconsistencies and weigh conflicting facts, statements and view points
- Analyze political cartoons, maps, tables, charts and graphs to clarify data and express ideas
- Analyze and appreciate historical and contemporary literature, art, poetry, painting, sculpture and architecture and relate it to the American Experience.

Students are required to take the June NYS U.S. History Regents Exam, which will also count as the Final Exam grade. Students are also required to take the Advanced Placement examination (additional testing fee required.)

Course Title: United States Government and Politics**Term:** One Semester (Spring)**Credit:** 0.5**Weight:** 0.5

Prerequisite: 9th, 10th and 11th grade History course

Description: United States Government is a required course intended to teach students about the basic functions of our government. A strong emphasis will be placed on applying principles learned in class to current issues. The primary objective of the class is to help students develop critical thinking skills as they become more actively aware of the government policies and practices that affect every aspect of life in the United States. This becomes increasingly important as the students realize that they either are, or soon will be 18 years old. Consequently, they become adults in the eyes of the law. Students will write an authentic 10-page research paper based upon a thesis statement that will make an argument on a contemporary issue involving the United States Government. Topics must be approved by the instructor before research process can begin. The research paper assignment will be submitted electronically in December.

Course Title: AP United States Government and Politics**Term:** One Semester (Spring)**Credit:** 0.5**Weight:** 0.53

Prerequisite: 85% overall average in previous AP US History course; 90% overall average in US History course; Recommendation of 11th grade teacher and approval of Department Chair. Students are required to enroll into Honors Economics

Description: AP United States Government & Politics is an AP level course offered in lieu of the basic state required course intended to teach students about the functions of our government. A strong emphasis will be placed on applying principles learned in class to current issues. The primary objective of the class is to help students develop critical thinking skills as they become more actively aware of the government policies and practices that affect every aspect of life in the United States. This becomes increasingly important as the students realize that they either are, or soon will be 18 years old. Consequently, they become adults in the eyes of the law. Students will write an authentic 10-page research paper based upon a thesis statement that will make an argument on a contemporary issue involving the United States Government. Topics must be approved by the instructor before the research process can begin. Students will prepare for and are expected to take the United States Government & Politics advanced placement exam. Topics for the course and the exam include: Foundations of American Democracy, Interactions Among Branches of Government, Civil Liberties and Civil Rights, American Political Ideologies and Beliefs, and Political Participation.

Course Title: Economics**Term:** One Semester (Fall/Winter)**Credit:** 0.5**Weight:** 0.5

Prerequisite: Students will also be enrolled into the U.S. Government and Politics course

Description: The senior Economics course prepares students to understand that they live in a global economy of scarce resources. Topics include but are not limited to: GDP, The Stock Market, Marginal Thinking, Economic Systems, Production Possibilities Curves, Trade-Offs, Factors of Production, Opportunity Cost, The Free Market, Supply and Demand, Money, and Banking. Students will learn practical and essential personal finance skills to apply to real life. Students will be required to submit an entrepreneur business project in May which will include a formal presentation to the class.

Course Title: Honors Economics**Term:** One Semester (Fall/Winter)**Credit:** 0.5**Weight:** 0.51

Prerequisite: Student must also enroll in the AP U.S. Government and Politics course for the Spring semester

Description: The senior Honors Economics course prepares students to understand that they live in a global economy of scarce resources. Topics include but are not limited to: GDP, The Stock Market, Marginal Thinking, Economic Systems, Production Possibilities Curves, Trade-Offs, Factors of Production, Opportunity Cost, The Free Market, Supply and Demand, Money, and Banking. Students will learn advanced personal finance skills to apply to real life. Students will also be required to submit an entrepreneur business project which will include a formal presentation to the class.

FOREIGN LANGUAGE

Course Title: Spanish I

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: None

Description: Spanish 1 is an introductory course that will provide the student with a general introduction to the Spanish language to help the students achieve a basic level of proficiency. Emphasis will be on the acquisition of four skills: **Listening, Speaking, Reading and Limited Writing**. Each student will be introduced to the **5 C's** of foreign language acquisition: **Communication, Culture, Connections, Comparisons and Communities**.

Students will be expected to participate as much as possible in the target language, regardless of how basic or advance they may be in the language. Authentic materials will be used in the classroom along with their textbooks to help them gain confidence in communicating with other Spanish speakers in their communities. Varied assessments will be given to monitor each student's performance. This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester, students will take a cumulative Semester Exam to determine proficiency level in the four skills.

Course Title: Spanish II

Term: Full Year

Credit: 1.00

Weight: 1.00

Prerequisite: Spanish I or Placement Exam Administered by Foreign Language Department Chair

Description: Spanish II instruction will continue on expanding the student's knowledge in the target language by being introduced to units learning new vocabulary and grammatical concepts as well as cultural information on the Spanish speaking countries. They will participate in various activities which will help to improve their 4 skills **Reading, Writing, Listening and Speaking**.

Students will be expected to participate as much as possible in the target language, regardless of how basic or advance they may be in the language. Authentic materials will be used in the classroom, along with the textbook, to help students gain confidence in communicating with other Spanish speakers in their communities. Varied assessments will be used to monitor student performance. This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester each student will take a cumulative Semester Exam to determine their proficiency level in the four skills.

Course Title: Spanish III**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Spanish II

Description: Spanish III is designed to deepen the four skills: **Reading, Writing, Listening and Speaking** in the target language. Each unit will introduce cultural information from the Spanish speaking countries, new vocabulary words and grammatical concepts, and review the different tenses. Units will provide scenarios for students to deal with real life situations and be able to communicate with native speakers. Standards are covered in every lesson **Communication, (Interpersonal, Interpretive and Interpersonal Communication) Cultures, Connections, Comparison and Communities**. This course is designed to be interactive. Great emphasis will be placed on the ability to communicate with natives and other language learners.

Authentic materials such as articles, projects, literature, multimedia and interactive activities will be used in the classroom to help build confidence among the students. Students will be expected to participate as much as possible in the target language, regardless of how basic or advance they may be in the language. Varied assessments will be given to monitor student performance. This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester, students will take a cumulative Semester Exam to determine proficiency level in the four skills.

Course Title: Italian I**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: Italian 1 will teach students the basic elements of the Italian language and culture. Students will engage in interactive lessons by using everyday vocabulary, they will begin to speak, read, write, and understand spoken Italian and have a better understanding of the Italian culture. Each student will be introduced to the **5c's** of foreign language acquisition: **Communication, Culture, Connections, Comparisons and Communities**.

Students will be expected to participate as much as possible in the target language, regardless of how basic or advance they may be in the language. Authentic materials will be used in the classroom, in conjunction with the textbook, to help students gain confidence in communicating with other Italian speakers in their communities. Varied assessments will be given to monitor student performance. This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester, students will take a cumulative Semester Exam to determine proficiency level in the four skills.

Course Title: Italian II**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Italian I or Placement Exam Administered by Foreign Language Department Chair

Description: **Italian II** continues developing the **Reading, Writing, Speaking** and **Listening** skills begun during the 1st year by broadening conversational topics. Through grammatical lessons, as well as by further enhancing the study of the Italian culture, students will achieve a higher level in the 4 skills. The readings will be stories, history and culture of Italy. Authentic materials, in addition to the textbook will be used to further develop an understanding of the spoken language and an appreciation of Italian culture.

This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester, students will take a cumulative Semester Exam to determine proficiency level in the four skills.

Course Title: Italian III**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Italian II

Description: **Italian III** is designed to increase the student's ability to communicate in Italian. The student will be able to understand, converse, interact, and make presentations in Italian on a more complex level through the introduction of new grammar and vocabulary. By using authentic materials, in conjunction with the textbook, students will be able to listen to passages, answer in complete sentences using the target language, engage in lengthy conversations, practice reading comprehension and perform written exercises on a wide of variety of topics. The main focus is for student to be able to communicate in Italian with confidence and be able to speak about the Italian culture. This course honors the national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). At the end of each semester, students will take a cumulative Semester Exam to determine proficiency level in the four skills.

ART & MUSIC

Course Title: Marching Band**Term:** Full Year**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None

Description: All students are expected to graduate with one (1) credit in the area of the Fine Arts. The Salesian High Marching Band is a wonderful opportunity for students of all grade levels to develop and hone their musical talents. Students entering into the program for the first time are not expected to have previously learned, or even played, a musical instrument. With a number of subsections in the band program (i.e. Wind Ensemble, Jazz band), students have a diverse number of options to experience as they develop a deeper appreciation for music. Incoming 9th graders are offered the opportunity to select a 2 – year commitment to the Band program, or enroll into Studio Art I in order to complete their Art/Music credit. **Math Leaders are required to commit to the Band Program for all 4 years.**

Course Title: Studio Art I**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: All students are expected to graduate with one (1) credit in the area of the Fine Arts. Studio Art is a full-year required art course for sophomore students. The course offers a wide variety of art mediums, history, techniques, and foundation principles needed to both understand, and create visual arts. All students will finish sophomore year with their very own portfolio, consisting of a number of projects they have produced throughout the year.

ELECTIVES (BY GRADE LEVEL)

Course Title: Civil Liberties (11th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: This course will broaden our student's understanding of the foundations in American history. Students will research and analyze gradual shifts of civil liberties throughout America's development. Students will relate the current political, social and cultural climate as it relates to our history. Students will also comprehend the struggles and successes of America's growth through interpreting and studying the lives of several groups of people and many important individuals.

Course Title: Anatomy & Physiology (11th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** Requires approval of the Science department chair

Description: Anatomy and Physiology is a course that focuses on the study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. The labs will provide a hands-on learning experience for exploration to help the students to better understand the human system components and basic physiology. Given course intensity and rigor, interested students should have a strong interest in science

Course Title: Intro to Creative Writing (11th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: This course is designed to help students craft various works of fiction, poetry, nonfiction, and plays. In addition to in-class writing exercises, journaling, and creative exercises, students will analyze and present on various writers, using their technique and content as a guide to their own writing. Through the process of developing and enhancing their editing skills, students will compose a portfolio of their collective work at the conclusion of the course.

Course Title: Studio Art II (Honors) (11th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.02

Prerequisite: Student must have recommendation of Studio Art I teacher, and demonstrates strong artistic ability.

Description: *Studio Art II* is designed for students with a serious commitment or interest in developing and exploring the creative process. Students of all ability and experience levels are able to participate and will have the opportunity to thrive in this immersive course. They will be challenged to think like an artist and use chosen media as a vehicle for self-expression. Continuing work from Studio Art I class, we will focus on problem solving and exploration. The projects will utilize both traditional and non-traditional materials. The class will investigate everything from drawing, painting, sculpture, installation art, murals, stained glass windows, found object creations, photography including photoshop, video including iMovie, Social Practice art and large-scale individual paintings. There will be a number of in-depth projects culminating in final individual proposals and a student art exhibition.

We will take an interdisciplinary approach to art that will connect to many of your academic classes, personal interests, art history and the values reflected in the Salesian education. In addition to in class/studio work, students will visit galleries, museums, artists' studios, and MFA programs with the goal of giving students a broader understanding of what it means to be an artist and to expose young artists to the possibilities of furthering their artistic interest and possibly pursuing a career in this field.

While art is often individually created, we share a common understanding of expression, vocabulary and ideas that help us understand and interpret art. In the Salesian Art Studio, we will work with a number of tools and approaches to help us develop as individual creators while expanding our understanding of how the work relates to others and its connection to the art world. The National Core Arts Standard is a system that we will use to help frame our projects and grading will be based on your effort in the process; your understanding of projects, your willingness to explore and your openness to problem solve.

The room will be seen as a working collaborative art studio. Our goal is to capture a student's attention and spark a desire to learn and do more.

Course Title: American Law (12th Grade)

Term: One Semester (Fall/Winter)
Credit: 0.5
Weight: 0.5

Prerequisite: Student is required to enroll into the Sociology course

Description: American Law's approach to law-related education is to provide information and problem-solving opportunities that develop the knowledge and skills necessary for survival in our law saturated society. The curriculum includes case studies, mock trials, role-plays, small-group exercises, and visual analysis activities. The use of community resource people within city government, the legal profession and law enforcement is vital to the success of the program. The goal of the course is to promote in students a willingness and capability to participate effectively in the legal and political systems of our city, state and nation.

Course Title: Sociology: A Study of Race In American History (12th Grade)

Term: One Semester (Spring)
Credit: 0.5
Weight: 0.5

Prerequisite: Student is required to enroll into the American Law course

Description: A senior elective course that examines the history and culture of Africa and the African-American experience including an analysis of the unique historical, cultural, and social developments from the Middle Passage to the present day. The goal of this course is to broaden the knowledge and understanding of students interested in learning about history, citizenship, culture, economics, science, technology, geography, and the political realities of African Americans. This course will provide students with an opportunity to engage with the social, economic, and political activities of African Americans in a way that allows them to make deep connections across the content. Knowledge of past achievements provides citizens of the 21st century with a broader context within which to address the many issues facing the United States. The historical content of this course will be taught with relevance to contemporary and current issues in order to ensure a deeper understanding for students. Critical thinking, reading, writing, and oral presentation skills are emphasized.

Course Title: A.P. Biology (12th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program.* Student must have sat for the Living Environment and Chemistry Regents, achieving a minimum score of 85 or better; Student must have achieved overall final average of 85% overall average in Honors Level Living Environment and Honors Chemistry course; 90% overall average in Non-Honors level Living Environment and Non-Honors level Chemistry course; Recommendation of Chemistry teacher, approval of Department Chair and AP Biology teacher.

Description: The objective of this course is to provide an in-depth knowledge of Biology that will prepare the student for study at the college level. Serving as an in-depth continuation of concepts learned in Biology and Chemistry, the topics will include comprehensive studies of Genetics, Anatomy and Physiology, Reproduction and Development, Cell Biology, Biochemistry, Evolution and Ecology. It will integrate the study of these content areas with contemporary issues in science. In the course of study, students will perform laboratory work and complete written reports.

Students are required to take the Advanced Placement examination (additional testing fee required.)

Course Title: A.P. Environmental Science (12th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program.* Student must have sat for a physical science Regents and achieved a minimum score of 85 or better; Student must have achieved overall final average of 85% overall average in Honors Level Chemistry; 90% overall average in Non-Honors level physical science course; Recommendation of Physical science teacher, approval of Department Chair.

Description: The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Students are required to take the Advanced Placement examination (additional testing fee required.)

Course Title: A.P. Psychology (12th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.06

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program.* 85% overall average in previous Honors Level Social Studies course; 90% overall average in a Non-Honors Level Social Studies course; Recommendation of 11th grade Social Studies teacher and approval of Department Chair.

Description: This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims/evidence, and effectively communicate ideas.

Students are required to take the Advanced Placement examination (additional testing fee required.)

Course Title: Coding I (12th Grade)**Term:** One Semester (Fall/Winter)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None

Description: This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The course is based off of the *AP Computer Science Principles* curriculum and utilizes the website CodeHS.com for short video lectures, course slides, and submitting coding/programming assignments.

Students will learn computer programming starting with block-coding. Students will create a website using HTML. Students will use JavaScript to solve problems by applying important computer science concepts.

Course Title: Coding II (12th Grade)**Term:** One Semester (Spring)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None

Description: This course builds on the Coding I course, which introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. We will follow the *AP Computer Science Principles* curriculum and use the website CodeHS.com for short video lectures, course slides, and submitting coding/programming assignments.

Students will learn object-oriented programming concepts by using the Alice 3 program to make 3-D movies and games. Students will then learn the Java language to solve problems and make Android apps.

Course Title: Comedy and Literature (12th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: **Description:** This course is designed around the analysis of humor and *why is it that we laugh when we do*. Students will read and observe a number of different works including short stories, novels, poems, plays, graphic novels, and short-films, analyzing how comedy is characterized on the fictional page, the screen, and the stage. Within the course, students will consider what “the comic” teaches us about the self and culture(s), tracking a history of comedy through the traversal of genres, periods and cultures to reflect on various types of humor: satire, farce, parody, absurdism, and black comedy. Students are encouraged not only to read for laughter, but also for how that laughter informs cultural ideologies, constructs social identities, affects us physically, and grounds us in morality and ethics

Course Title: Computer Architecture (12th Grade)**Term:** Full Year**Credit:** 1.00**Weight:** 1.00**Prerequisite:** None

Description: In this elective course, students use Computer Assisted Design software to create two-dimensional and three-dimensional architectural rendering of homes and public spaces. This course will appeal to students interested in computers, technology, architectural designs, CAD programs, and visual art.

Course Title: Finance (12th Grade)**Term:** One Semester (Fall/Winter)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None

Description: The Finance course is an introduction to personal finance, covering topics like personal loans, bank accounts, investments, taxes, topics to give you control over students’ financial lives both now and in the future. This class involves hands-on activities and online simulations.

Course Title: Entrepreneurship (12th Grade)**Term:** One Semester (Spring)**Credit:** 0.5**Weight:** 0.5**Prerequisite:** None

Description: The Entrepreneurship course is about starting your own business. Students will learn how to develop a business plan, obtain financing, etc. This class involves hands-on activities and online simulations.

Course Title: Modern Life Through the Media (12th Grade)

Term: Full Year

Credit: 1.0

Weight: 1.0

Prerequisite: None

Description: Students will study modern and post-modern social theorists, reviewing contemporary topics including urbanization, consumerism, industrialization, and the rise of the Digital Age. Students will explore these trends and their impact on everyday life through essays, debates, and projects, using the philosophical lenses each theorist offers to explore and understand how the foundations of society have changed. Students will have a deeper understanding of the inner workings of human nature, and how it is transformed both positively and negatively in an overly industrialized environment.

Course Title: PoliSci 201 (Iona College Link Course) (12th Grade)

Term: One Semester (Fall/Winter)

Credit: 1.0

Weight: 1.06

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program.* 85% overall average in previous Honors Level Social Studies course; 90% overall average in a Non-Honors Level Social Studies course; Recommendation of 11th grade Social Studies teacher and approval of Department Chair. Student is required to enroll into PoliSci 203

Description: The first semester is an introduction to American foreign, domestic, and economic policy, Federalism, the influence of the media on American politics, civil liberties, and civil rights, the American Presidency, public opinion, and political socialization. **Student is required to also complete PoliSci 203. Iona College fee applies for this course (\$300).**

Course Title: PoliSci 203 (Iona College Link Course) (12th Grade)

Term: One Semester (Spring)

Credit: 1.0

Weight: 1.06

Prerequisite: *Acceptable Course Option for St. Francis DeSales Honors program.* 85% overall average in previous Honors Level Social Studies course; 90% overall average in a Non-Honors Level Social Studies course; Recommendation of 11th grade Social Studies teacher and approval of Department Chair. **Student must have completed PoliSci 201. Iona College fee applies for this course (\$300).**

Description: The first semester is an introduction to American foreign, domestic, and economic policy, Federalism, the influence of the media on American politics, civil liberties, and civil rights, the American Presidency, public opinion, and political socialization. **Iona College fee applies for this course (\$300).**

Course Title: Senior Art (12th Grade)**Term:** Full Year**Credit:** 1.0**Weight:** 1.0**Prerequisite:** None

Description: Senior Art is a full-year studio art elective course for those desiring a broad background in visual arts as part of their general education. It offers a wide variety of art mediums and projects based upon the understanding, knowledge, appreciation, and application of fundamental elements and principles common in basic art structure.

Course Title: Christology (12th Grade)**Term:** Full Year**Credit:** 1.0**Weight:** 1.0**Prerequisite:** None

Description: College level course with quality study of reading, writing, thinking, and discussing the Life, Teachings, Death and Resurrection of Jesus of Nazareth. This course will explore The Mystery of the Person and Work of Jesus Christ; Biblical Christology; The New Proclaiming of Jesus. **Topics will include:** The Gospels as Theological Reference, How Christians see Jesus through the ages and Christ in the Church and the Sacraments. Students will deepen their understanding of the mystery of the person and saving work of Jesus Christ, develop their ability to draw upon the Catholic theological tradition to explain the truth of Jesus Christ in the context of the modern era and the New Evangelization, and develop their proficiency for academic research and writing with modern resources in Christology.

Course Title: Spanish IV (12th Grade)**Term:** Full Year**Credit:** 1.0**Weight:** 1.0**Prerequisite:** Student must have successfully completed three (3) levels of Spanish

Description: Students are able to engage in conversation and comprehend another person's dialogue without much repetition. Topics go well beyond basic needs and include: personal and family affairs, current events, school, work, etc. Students can comprehend descriptions and narration referring to past, present, or future events. They can comprehend dialogue about special fields of interest and narratives of a non-technical or specialized nature. When listening to material restricted mainly to vocabulary and structures studied in class, their comprehension is at their targeted level. There is an increased comprehension of in-depth material about special interest topics used in class. Grammar control includes all but the infrequently used and the most complex forms and word order problems. Students work toward building a general appreciation of larger reading, speaking and listening vocabulary through use of materials representative of the Spanish speaking culture.