HOLY CROSS HIGH SCHOOL



ACADEMIC
COURSE CATALOG

2025 - 2026

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Our Programs

Holy Cross High School is dedicated to providing a challenging college preparatory education aligned with state and national criteria. We offer a wide variety of courses that satisfy college and career readiness standards while encouraging students to explore their interests, discover new talents, and enrich their understanding of their faith and themselves. To provide twenty-first century learning experiences for our students, we regularly update our academic programs to reflect important educational initiatives, keeping pace with technological innovations and maintaining a rich assortment of subject matter.

In keeping with the mission and traditions of the Congregation of Holy Cross, Holy Cross High School offers educational programs to an academically diverse student body. While offering a full college-prep curriculum to all of its students, Holy Cross has developed several distinct programs to meet the specific academic needs of its students.

The Blessed Father Basil Moreau Honors Program provides academically gifted students with a challenging course of study designed to maximize their academic potential. These honors courses, which are offered in all subject areas, are taught at a level that significantly exceeds both qualitatively and quantitatively, what is required in a Regents-level course. Placement in the Father Basil Moreau Honors Program is determined by standardized test results, previous report card grades, and teacher recommendations.

Learning Support Services are provided to students with IESPs and §504 plans. Holy Cross High School provides the following services:

- Preferential seating
- Second set of textbooks
- Extended Time: Students begin their exams with their content area teacher and are then provided additional time to complete their assessment during a free period in our separate testing room.
- SETSS

Holy Cross is unable to provide learning supports that are not specifically stated above.

Student Support Services (SETSS) are supplemental in nature and are designed to remediate academic skill deficits and develop the study and organizational skills needed to manage Holy Cross' college preparatory curriculum. Classes are built into the schedule of students with IESPs (Individualized Education Support Plans), in accordance with their most up to date documentation. These class periods provide students with a small class learning environment in which to engage in activities and learn to make progress towards their IESP goals.

Advanced Placement and College Courses allow Holy Cross students to obtain college credit by taking Advanced Placement (AP) and College Courses. The AP classes prepare students for the College Entrance Examination Board (CEEB) Advanced Placement Examination. Our partnership with St. John's University's College Advantage Program allows juniors and seniors to take up to 9 credits of SJU courses each semester here at Holy Cross. Similarly, qualified candidates may obtain credits from the State University of New York by participating in our Science Research Program. Please note that colleges and universities have different criteria for granting credit. Altogether, our graduates have transferred college credits to over 150 different colleges and universities through these programs. Students should speak to their guidance counselor for further details.

Course Levels

The courses offered at Holy Cross High School are all college preparatory. Level 1 emphasizes fundamental concepts and skills. NYS Regents exams, if offered, are required for Level 2 (college prep) and Level 3 (honors) courses. Level 4 are college courses. They include classes that prepare students for the CEEB Advanced Placement Exam. All these classes have been approved by the AP Audit as eligible courses. In addition, college credit courses are offered through the St. John's University College Advantage Program.

NGA Information

An Honor Roll is published each quarter. Students are designated as being on the Principal's List, First Honors, or Second Honors. A student's status on the Honor Roll is determined by the numerical average in their courses. Students also receive a cumulative Numerical Grade Average (NGA) at the end of each year. This NGA reflects the student's numerical average, as well as the level and the credit weight of the courses in which the average was achieved.

The weighted NGA ensures that a student is not penalized for choosing more difficult courses. Therefore, for example, an 85% achieved in a Level 4 Course will have more quality points assigned to it than an 85% in a Level 2 course.

Inclusion on the Honor Roll is based upon the following:

Principal's List NGA of 96.00% or higher with no grade less than 90 First Honors NGA of 91.00% - 95.99% with no grade less than 85 Second Honors NGA of 86.00% - 90.99% with no grade less than 80

Holy Cross High School Diploma Requirements

	Holy Cross Regents Diploma Minimum Requirements		NYS Advanced Regents Diploma Minimum Requirements	
	Courses	Mandated regents Exams	Advanced Regents Exams	
Theology	4 years	-	-	
Service	100 hours by graduation	-	-	
English	4 years	English	English	
	Global Studies (2 years)	Global Studies	Global Studies	
Social Studies	US History	US History	US History	
	Political Science/ Economics	-	-	
Math	4 years*	Algebra	Algebra Geometry Algebra II	
Language	3 years	-	FLACS Exam	
Science	3 years**	Living Environment	Living Environment & 1 additional science	
Physical Education	4 years	-	-	
Health	1 semester	-	-	
Fine Arts	1 year	-	-	
Electives	1 year Minimum	-	-	
Credits	26 ½ Minimum			

^{*}All students must take 4 years of Math. The sequence of courses must include Algebra, Geometry, and Algebra II/Trigonometry.

^{**}Three years of laboratory science

Grading Policies

The passing grade for all coursework is 70%.

The academic school year is divided into four quarters. At the end of each quarter, students receive, for each subject, a grade that represents the average of the tests, quizzes, homework, projects, and/or labs that were administered for evaluation by teachers throughout that quarter. Students are responsible for adhering to all teacher/class course requirements. Since teachers of various subjects may calculate quarterly averages differently, students should follow each teacher's guidelines accordingly.

Most courses include a midterm and a final exam. These comprehensive tests are independent of the quarterly averages and carry a weight equal to half the value of a quarterly grade. Thus, a student's final average for the year is based on the following weights:

Quarter 1	= 20%
Quarter 2	= 20%
Midterm	= 10%
Quarter 3	= 20%
Quarter 4	= 20%
Final Exam	= 10%
TOTAL	= 100%

Formally, the final grade in a course is calculated according to the following formula:

$$\{ 2(Q1 + Q2 + Q3 + Q4) + Midterm + Final Exam \} \div 10$$

If a course does not include a midterm and/or a final exam due to its particular content, the system automatically adjusts the quarterly point value calculations as follows:

$$2(Q1 + Q2 + Q3 + Q4) \div 8$$

Regents Exam Policies

The passing grade for all Regents exams is a 65%.

All students enrolled at Holy Cross High School must pursue and attain at least a Regents-level diploma (See page 4). There are no opt-out alternatives to this minimum expectation. The grade from a Regents exam is not averaged into a student's year-end average, nor does it take the place of another exam. Credit for passing Regents exams is separate from credits earned for passing courses. Passing a Regents exam does not automatically enable a student to pass the class. Similarly, passing a class does not enable a failing Regents score to be ignored. The following table distinguishes the differing consequences related to passing and failing courses and Regents Exams by the end of the school year.

Course Result	REGENTS RESULT	Summer school		
Failed the course	Passed or Failed	Complete summer school course & retake Regents if failed		
Passed the course	Failed mandated* Regents exam	Complete summer school course & mandatory Regents retake		
Passed the course	Failed Advanced Regents exam	Optional retake in August		

*See page 4 for a list of mandated Regents exams.

As per the New York State Education Department and the Board of Regents, effective June 2011, once scoring committees have rated an exam, they may not re-score it, regardless of the final score. This is true even in the case of final scores of 60-64% or 50-54%.

The administration dates and times of Regents Exams are set by the New York State Education Department and cannot be rescheduled by any individual institution. Holy Cross High School will never jeopardize the validity of a Regents Exam and, unfortunately, cannot accommodate a family's summer plans that may coincide with a summer Regents Exam retake. Students who are not present for a mandatory Regents Exam retake during the summer are subject to dismissal.

Should a student fail a Regents Exam a second time – and that Regents Exam is necessary to the fulfillment of a Regents Diploma – the student must retake the exam once again during the following January. If the student is pursuing an Advanced Regents Diploma, the continuation of Regents retakes remains an option.

Course Requirements

Many courses have requirements that students must meet before course registration can be finalized. This list reviews the different types of possible course requirements.

- PREREQUISITE (e.g. "1421 Geometry") Identifies courses that the student must pass. This status is
 reviewed at the end of the year. If a student fails a prerequisite course, they will be registered for a
 different qualifying course.
- **Grade Level** (e.g. "Open to juniors and seniors") any student entering that grade in the following year may register for that course. "Selected" students are registered automatically if they meet a specific set of criteria. This is often determined by standardized test results and previous report card grades.
- A RECOMMENDATION FROM... Identifies a faculty member that must recommend the student for
 placement into that course. Academic success in the current course makes students eligible for the
 next, more challenging course. Teachers will always look to place students in the course that will
 provide challenge at a level where students will experience success and growth.
- APPROVAL OF... Identifies the faculty member who is responsible for maintaining the quality of a
 particular academic program. These faculty members may use varying criteria for judging student
 eligibility. Criteria may include minimum course grades and standardized test results. Students are
 encouraged to communicate with any individual whose approval is necessary for course
 advancement.

Other Special Notes

All courses listed in this catalog are subject to availability. Changes to the catalog may occur without notice, but all efforts will be made to update entries in a timely fashion.

When registering for courses, assume that you will pass all of your current courses. If you ultimately fail a course, you must make up the credit for that course at Holy Cross High School's summer school and pass in order to return to our school in the following year.

Any Holy Cross student who wishes to play athletics in a college Division I or Division II program must submit an NCAA Clearinghouse form. Call NCAA Publications at 1-877-262-1492, or access materials at www.eligibilitycenter.org. You must also send your SAT scores directly to the Clearinghouse. This is done by filling in the Code 9999 in Section 11a of the SAT Registration Form. See your guidance counselor for a form, or if you have any questions.

Electrical Training Program

This program of study is available to all seniors at Holy Cross. Senior students electing to take this program will complete all graduation requirements for a Holy Cross Diploma in addition to completing the electricians program. *There is an additional fee for this program.*

Senior Schedule		
Periods 1 - 4	Senior Coursework in English History Math Theology & PE	
Period 5	Lunch	
Paris 16 - 245	Electrical Concepts	
Period 6 → 3:15pm	Electrical Applications	

1701 – ELECTRICAL CONCEPTS Co-requisite: 1702 - Electrical Applications	Level 1	2.0 Credits
This course provides the conceptual background necessary to pass the	electricians exam.	
1702 – Electrical Applications	Level 1	2.0 Credits
1702 – ELECTRICAL APPLICATIONS Co-requisite: 1701 - Electrical Concepts	Level 1	2.0 Credits

Health Sciences Honors Program

Our Health Sciences Honors Program is consistent with the Mission of Holy Cross High School, our dedication to service leadership, and addresses the growing demand for quality healthcare professionals. Our purpose is to teach beyond the classroom through meaningful experiences that connect our students with their interest in the Health Sciences.

This program's curriculum supports the college prerequisites for admission to Health Science programs including but not limited to Nursing, Physician's Assistant, Physical Therapy, Occupational Therapy, Nutrition, Audiology, Speech Language Pathology, Allied Health Diagnostic Intervention and Treatment Professions, Biochemistry, Biomedical Engineering, Clinical Psychology, Molecular Biology, Neuroscience and Pre-Professional Medical Programs.

Students interested in joining this honors program will be able to apply at the end of their freshmen year. In addition to selected honors and AP coursework, students in this program will take the following health science electives as a zero period class starting at 7:00am.

Students in this program will also participate in experiential learning activities and may attend lectures given by health science professionals. Sophomore students will attend a summer intensive course that will result in certification in the American Heart Association's Basic Life Support. Juniors and Seniors will participate in the annual Northwell Spark Challenge.

1626 - Careers in Health Sciences

Level 3

0.5 CREDITS

Open to select sophomores

This semester-long course is an overview of various health science careers. It will include principles and concepts that pertain to all health professions such as teamwork, communication with stakeholders, legal and ethical responsibilities, and cultural considerations in healthcare. The course will also include the history of health science, disease prevention, and disease treatment.

1636 - Foundations of Patient Care

Level 3

0.5 CREDITS

Open to select juniors

This semester-long course students will study, analyze, and interpret word elements to construct a framework for a comprehensive medical vocabulary that can be applied in a professional setting. As part of the learning process, students are exposed to basic anatomy, physiology, pathology of disease, and clinical procedures.

Courses by Department

The Theology Department

Each student throughout their 4 years of study, will explore various theological concepts while maintaining an active commitment to the greater community. The program will afford students an opportunity to express their idealism and Christian beliefs in concrete life situations. Students are required to participate in our service learning program by volunteering their time in various service opportunities throughout the year.

1110 - Theology 9 - Old Testament

Level 1

1.0 CREDIT

Open to freshmen

Students will learn about all monotheistic religions through a study of the Old Testament. Themes include Creation, the Ten Commandments, and the Kingdom of Israel. Included is a comprehensive study of the heritage and history of the Congregation of Holy Cross. This course includes an academic service learning component with 10 hours of experiential learning in the classroom.

1120 - Theology 10 - New Testament

Level 1

1.0 CREDIT

Open to sophomores

A thorough study of the four Gospel writers will help students develop a greater understanding of Jesus Christ the man and the Messiah. Christianity's development will be examined through the Acts of the Apostles. This course includes 20 hours of service in the school community.

1127 - Theology 10 Honors Seminar

Level 2

1.0 CREDIT

Prerequisite: A recommendation from your 1110 - Theology 9 teacher

Along with an in-depth study of the Gospels and the life of Christ, students will engage in seminar-style experiences to apply their understanding of the development of Christianity to the modern world. Critical analysis of historical events that test our Faith will be an important part of the course. This course includes 20 hours of service in the school, Church, or civic community.

1130 - Theology 11 - Living the Christian Life

Level 1

1.0 CREDIT

Open to junior.

This course focuses on the Catholic theological perspective on questions of faith, social justice, conscience formation, and the process of moral decision making. There is significant emphasis on the use of case studies for the purpose of making applications of moral theories. This course includes 30 hours of community service in the greater New York community through our varied community partners.

1137 – Junior Honors Theology - Christian Moral Life

Level 2

1.0 CREDIT

Prerequisite: 1127 – Theology 10 Honors Seminar -or- a recommendation from your 1120 – Theology 10 teacher

This course will provide a foundation in the teachings of Catholic Morality. Coursework stems from the precept as stated in the Catechism of the Catholic Church that all people are created in the image of God and therefore deserve both dignity and respect. An in depth discovery of the tenets of Morality and ethics as handed down to us through Sacred Scripture are applied towards real case studies. This course includes 30 hours of service to the Church and local community.

1140 - Theology 12 - Call and Response

Level 1

1.0 Credit

Open to seniors

This course will highlight certain individuals in the Old Testament who were called by God. Special emphasis will be put on how these people responded to God's call. We will further study how the Old Testament prefigures the life of Jesus Christ in the New Testament. The call of the Apostles, including St. Paul will then be studied as the foundation of the Church we know today. This overview of the early Church will lead to a study of the Church's call to social justice. The culmination of the course will bring each student to a realization of the personal call of Baptism and how they respond each day. We will focus on their service projects and demonstrate how this charitable work is a response to God's call.

1147 – Senior Honors Theology

Level 2

1.0 Credit

Prerequisite: 1137 – Junior Honors Theology -or- A recommendation from your 1130 – Theology 11 teacher

The academic component of the course resembles that of Course 1140 – Theology 12. In addition, the students will closely examine the idea of Spirit theology as lived out by St. Paul. Emphasis will be placed on teaching the Christian message of salvation in a structured, content oriented, introspective program of study. Each quarter has a specific focus of attention designed to allow the student to explore and build on their foundation of faith; intended to lead the student to spiritual completeness, realized through self-examination.

1149 – College Theology Level 4 1.0 Credit

Prerequisite: A recommendation from your 1137 – Junior Honors Theology teacher

This course will cover belief statements, practices, scripture, rites and theological writings of the Christian faith through its development. This course includes a community service "capstone project" requiring 40 hours of service at a pre-approved site. Students may pursue college credit through the St. John's University College Advantage Program.

The English Department

1210 - English 9 College Prep

Level 2

1.0 CREDIT

Open to freshmen

This course introduces students to the writing process through the development of Common Core evidence-based informative and argumentative essays. It also features an introduction to specific literary genres such as drama, novels, short stories, and poetry.

1211 - Interdisciplinary Writing

Level 1

1.0 CREDIT

Open to selected freshmen

This course is designed to improve and develop students' writing skills through extensive revising, editing, and peer evaluation of a wide variety of subject-specific assignments. Students will also be encouraged to express their own views through different modes and genres while supporting their claims and ideas by incorporating relevant text-based information.

1217 - English 9 Honors

Level 3

1.0 CREDIT

Open to selected freshmen

This course features in-class essay writing that reflects Common Core State Standards, extensive research assignments, frequent reading homework, and critical reading and thinking applications that extend beyond the basic requirements.

1220 - English 10 College Prep

LEVEL 2

1.0 CREDIT

Open to sophomores

This course emphasizes the development of the writing process with an aim toward mastering supporting assertions for a variety of purposes while developing an effective writing style. The material presented builds upon the reading comprehension and critical thinking skills that began in English 9.

1221 - Interdisciplinary Literacy

Level 1

1.0 CREDIT

Prerequisite: 1211 – Interdisciplinary Writing

This course will continue to build and develop the literacy skills necessary for academic success across their college-prep curriculum. Students will gain confidence in their ability to express their own views through different modes and genres while supporting their claims and ideas by incorporating relevant research-based information

1229 – ADVANCED PLACEMENT SEMINAR

Level 4

1.0 CREDIT

Prerequisite: 1217 - English 9 Honors -or- a recommendation from your 1210 - English 9 teacher

This course is designed to develop research and effective communication skills in students. Course work includes in-class essay writing that reflects Common Core State Standards, SAT-based vocabulary exams, thorough MLA research assignments, frequent reading homework, and creative projects. Students at this level are required to take the NYS ELA Regents Exam.

1230 - English 11 College Prep

Level 2

1.0 CREDIT

Open to juniors

This course includes a thorough application of Common Core writing expectations along with preparation for the PSAT/SAT and Regents Exam, college admissions writing tasks, thorough MLA research assignments, frequent reading homework, and constructive participation.

1237 - English 11 Honors

Level 3

1.0 CREDIT

Prerequisite: 1227 - English 10 Honors -or- a recommendation from your 1220 - English 10 teacher

This course includes a rigorous application of Common Core Learning Standards with emphasis placed on mastering writing for information and understanding, literary response and expression, and critical analysis and evaluation. Preparation for the PSAT/SAT and Regents Exam is included.

1239 - AP ENGLISH LANGUAGE AND COMPOSITION

Level 4

1.0 CREDIT

Prerequisite: A 90 or better on the NYS Common Core Regents Exam in ELA and a recommendation from your English teacher

The AP English Language and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students who elect courses in rhetoric and composition typically focus their reading on discursive prose that ranges across disciplines. Students in this course must take the CEEB AP Exam in English Language & Composition.

1233 – SAT/ACT Prep 0.5 Credit

Open to juniors

This semester-long course is a web-based SAT and ACT prep program. It is designed to help students prepare for either test and maximize their test taking abilities. Students will complete their prep lessons in the classroom and may work at home to maximize their exposure to the lessons. The SAT and ACT programs track student performance so students can focus on key areas where they need to make improvements.

1241 – Public Speaking Level 2 0.5 Credit

Open to seniors. This elective must be taken with an additional English elective to fulfill NYSED English 12 graduation requirements.

This semester one course seeks to help students develop and master the techniques of public speaking. It involves presentations in a variety of formats including memorized speeches (both historical and original), oral reading of poetry and prose, as well as dramatic performances.

1242 - Science Fiction Literature

Level 2

0.5 CREDIT

Open to seniors. This elective must be taken with 1241 - Public Speaking to fulfill NYSED English 12 graduation requirements.

This second semester course surveys the literary beginnings as well as some of the modern masters of this popular genre. Students will explore worlds that are at once realistic and impossible through the writings of classic authors such as H.G. Wells as well as modern writers like Isaac Asimov.

1243 – Literature: Drama Level 2 0.5 Credit

Open to seniors. This elective must be taken with 1241 - Public Speaking to fulfill NYSED English 12 graduation requirements.

In this second semester course, students will examine representative texts including classical Greek and Roman drama, Shakespearean tragedies, and works of the modern American stage. Course work includes research assignments with elements from actual productions.

1247 – College English Level 4 1.0 Credit

Prerequisite: English 11 Honors 1237 -or- a written recommendation from your 1230 - English 11 teacher

This course combines a significant amount of readings with creative and analytical writing. Rhetoric and composition are studied during the first semester. In the second semester, emphasis is placed on British literature. Students may pursue college credit through the St. John's University College Advantage Program.

The Social Studies Department

1310 - GLOBAL STUDIES I COLLEGE PREP

Level 2

1.0 CREDIT

Open to freshmen

Students will use a variety of intellectual skills to demonstrate their understanding of the geography of the interdependent world. They will demonstrate their understanding of major ideas, eras, themes, developments, and turning points in world history from a variety of perspectives.

1317 - GLOBAL STUDIES I HONORS

Level 3

1.0 CREDIT

Open to selected freshmen

Students will focus on local, national, and global issues, including the distribution of people and places over the Earth's surface as well as the environment. They must demonstrate an ability to engage in critical thinking about the broad sweep of history to draw conclusions in great depth.

1320 - Global Studies II College Prep

Level 2

1.0 CREDIT

Open to sophomores

Global Studies II is the culmination of the two-year curriculum started in Global Studies I. As per New York State Education Department mandates, students must pass the Regents Exam in Global Studies at the completion of this course to graduate from high school.

1327 - GLOBAL STUDIES II HONORS

Level 3

1.0 CREDIT

Prerequisite: A recommendation from your 1310 - Global Studies I teacher.

This honors course is the culmination of the two-year curriculum started in Global Studies I. As per New York State Education Department mandates, students must pass the Regents Exam in Global Studies at the completion of this course to graduate from high school.

1329 - ADVANCED PLACEMENT WORLD HISTORY

Level 4

1.0 CREDIT

Prerequisite: 1317 - Global Studies I Honors -or- a recommendation from your 1310 - Global Studies I teacher.

This rigorous course is the culmination of the two-year Global Studies curriculum. As per New York State Education Department mandates, students must pass the Regents Exam in Global Studies to graduate. Additionally, students in this course *must* take the CEEB Advanced Placement World History Exam.

1330 - U.S. HISTORY AND GOVERNMENT COLLEGE PREP

Level 2

1.0 CREDIT

Open to juniors

Students will use a variety of skills to demonstrate an understanding of major ideas, eras, themes, leaders, and significant developments in the history of the United States. As per New York State Education Department mandates, students must pass the Regents Exam in U.S. History at the completion of this course to graduate from high school.

1337 - U.S. HISTORY AND GOVERNMENT HONORS

Level 3

1.0 Credit

Prerequisite: 1327 – Global Studies II Honors -or- a recommendation from your 1320 - Global Studies II teacher

Students will cover the same curriculum as 1330 while exploring additional developments in the history of the United States. As per New York State Education Department mandates, students must pass the Regents Exam in U.S. History at the completion of this course to graduate from high school.

1339 - Advanced Placement U.S. History

Level 4

1.0 CREDIT

Prerequisite: 1329 - AP World History -or- a recommendation from your Global Studies II 1327 teacher

Students will analyze topics and themes significant to the development of the nation. As per New York State Education Department mandates, students must pass the Regents Exam in U.S. History to graduate. Additionally, students in this course *must* take the CEEB Advanced Placement U.S. History Exam.

1340 – Political Science Level 2 0.5 Credit

Open to seniors

This is a fall elective and must be taken with 1350 - Economics in the spring to fulfill NYSED graduation requirements.

Students will analyze the necessity for establishing governments, the governmental system of the United States and other nations, the United States Constitution, the basic civic values of American constitutional democracy and the roles, rights, and responsibilities of citizenship.

1347 – POLITICAL SCIENCE HONORS

Level 3

0.5 CREDIT

Prerequisite: 1337 – U.S. History Honors, 1339 - AP U.S History, or a written recommendation from your 1330 - U.S. History teacher

More independent study and subject-relevant discussions accompany this course's approach to analyzing governments, the United States Constitution, the basic values of American constitutional democracy, and the roles, rights and responsibilities of citizenship, including avenues of participation.

1349 - Advanced Placement Government and Politics: United States

LEVEL 4

1.0 CREDIT

Prerequisite: AP U.S. History 1339 -or- a recommendation from your 1337 - US History and Government Honors teacher

This course provides an analytical perspective on the government and politics of the United States. It involves general concepts used to interpret U.S. politics and the analysis of specific case studies. Students in this course *must* take the CEEB AP Exam in Government and Politics: United States. This course fulfills the NYSED requirements for Political Science.

1350 – Economics Level 2 0.5 Credit

Open to seniors

This is a spring elective and must be taken with Political Science 1340 in the fall.

Students will learn about how societies develop economic systems and associated institutions to allocate scarce resources, how major decision-making units function in national economies, and how an economy solves the scarcity problem through market and non-market mechanisms.

1357 – Economics Honors Level 3 0.5 Credit

Prerequisite: 1337 – U.S. History Honors, 1339 - AP U.S History, or a written recommendation from your 1330 - U.S. History teacher Students will learn in great depth about the dynamics and complexities of world economies and will be expected to produce a higher standard of work, including independent study and projects analyzing economic systems.

ELECTIVES IN HISTORY

1341 – Sociology Level 1 0.5 Credit

Open to juniors and seniors

This semester-long course is designed to introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change.

1351 – Psychology Level 1 0.5 Credit

Open to juniors and seniors

This semester-long course introduces the student to the science, methodology, and practice of psychology. It is highly recommended for those students who wish to enter a field or profession in which they will be working with people. Areas such as social work, law, law enforcement, education, and business all require insights into psychology.

1352 – Criminal Law Level 1 0.5 Credit

Open to juniors and seniors

This semester-long course surveys the law including common law, the U.S. Constitution Bill of Rights, the criminal justice system, probable cause, law of arrest, search and seizure, interrogations and confessions, criminal procedure and penal laws.

1355 -WORLD WAR I, 1914-1918

Level 2

0.5 CREDIT

Open to juniors and seniors

This semester-long course will examine the underlying causes which led to the outbreak of World War I. The class will cover the important military events of the conflict and the Treaty of Versailles, which is considered by many historians to be the underlying cause of World War II.

1356 – World War II, 1939-1945

Level 2

0.5 CREDIT

Open to juniors and seniors

This semester-long course will cover the rise of the fascist dictatorships of Mussolini and Hitler as well as the events which led to the outbreak of World War II, including the military events of the conflict and the beginning of the Cold War.

1364 - Advanced Placement African American History

Level 4

1.0 CREDIT

Prerequisite: Open to Juniors and Seniors with recommendation from their history teacher

This interdisciplinary course examines the diversity of African American experiences through direct encounters with rich and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Students in this course *must* take the CEEB AP African American History exam.

1369 - College Modern European History

Level 4

1.0 CREDIT

Prerequisite: Open to Juniors and Seniors with a recommendation from their History teacher

This course examines the trends, factors, and problems of the nineteenth and twentieth centuries. Topics include World Wars I & II, the rise of fascism, the end of the colonial empires, and the collapse of the Soviet Union. Students may pursue college credit through the St. John's University College Advantage Program.

The Mathematics Department

1412 – Algebra I with Math Lab

Level 1

1.0 CREDIT

Open to selected freshmen

Topics in this course include algebra, functions, statistics, and probability, with an emphasis on algebra. This course is paired with a supplementary math lab period. Students will be introduced to a wide variety of topics in Algebra as part of their preparation for the NY State Common Core Algebra Exam. A minimum qualifying grade on the NY State Common Core Algebra I Regents Exam is necessary to pass this course.

1415 - Algebra I College Prep

Level 2

1.0 CREDIT

Open to freshmen

This course places an emphasis on functions including: linear, quadratics, exponentials, piecewise functions, and absolute value. This course also includes statistics, sequences & series, in addition to modeling real world problems. A minimum qualifying grade on the NY State Common Core Algebra 1 Regents Exams is necessary to pass this course.

1417 – Algebra I Honors

Level 3

1.0 CREDIT

Open to select freshmen

This course includes all the topics in the Common Core Algebra 1 syllabus along with more challenging topics. This course is designed for students who have demonstrated the ability to achieve above average success in math. A minimum qualifying grade on the NY State Common Core Algebra 1 Regents Exams is necessary to pass this course.

1421 – Geometry Level 1 1.0 Credit

Prerequisite: 1415 - Algebra I College Prep

This course will cover topics in two planar and coordinate geometry, including triangles, quadrilaterals, geometric solids, and graphing linear and parabolic equations. Students may take the NY State Common Core Regents Exam in Geometry at the end of this course.

1425 - GEOMETRY COLLEGE PREP

Level 2

1.0 CREDIT

Prerequisite: A recommendation from your 1415 - Algebra I teacher

This course will cover topics in two planar and coordinate geometry, including triangles, quadrilaterals, geometric solids, graphing linear and parabolic equations. Students must take the NY State Common Core Regents Exam in Geometry at the end of this course.

1427 – Geometry Honors Level 3 1.0 Credit

Prerequisite: 1417 - Algebra I Honors -or- a recommendation from your 1415 - Algebra I teacher

This course will cover topics in two planar and coordinate geometry, including triangles, quadrilaterals, geometric solids, graphing linear and parabolic equations. This course is designed for students who have demonstrated the ability to achieve above average success in Algebra. Students must take the NY State Common Core Regents Exam in Geometry at the end of this course.

1431 – Algebra II Level 1 1.0 Credit

Prerequisite: 1421 – Geometry

This course covers a modified version of the former NY State Algebra II and Trigonometry curriculum. Topics include factoring polynomials, functions (i.e.: quadratic, exponential, and trigonometric), imaginary and complex numbers, and basic statistics including measures of central tendency and standard deviation. Students may take the NY State Common Core Regents Exam in Algebra II at the end of this course.

1435 – Algebra II College Prep

Level 2

1.0 CREDIT

Prerequisite: 1425 - Geometry College Prep

This course follows the NY State Common Core curriculum for Algebra II. Topics include factoring polynomials, functions (i.e.: quadratic, exponential, and trigonometric), imaginary and complex numbers, and basic statistics including measures of central tendency and standard deviation. Students must take the NY State Common Core Regents Exam in Algebra II at the end of this course.

1437 – Algebra II Honors Level 3 1.0 Credit

Prerequisite: 1427 - Geometry Honors -or- a recommendation from your 1425 - Geometry teacher

This course follows the NY State Common Core curriculum for Algebra II. This course is designed for students who have demonstrated the ability to achieve above average success in Geometry. Topics include factoring polynomials, functions (i.e.: quadratic, exponential, and trigonometric), imaginary and complex numbers, and basic statistics including measures of central tendency and standard deviation. Students must take the NY State Common Core Regents Exam in Algebra II at the end of this course.

1440 – Precalculus Concepts Level 1 1.0 Credit

Prerequisite: 1431 - Algebra II

Topics in PreCalculus will build on students' knowledge of Algebra I and II. Topics in PreCalculus will include matrices, absolute value equations and inequalities, quadratic inequalities, logarithms, radicals and operations with radicals, complex numbers, rational expressions, graphing rational equations, complex fractions, inverse variation, functions and trigonometry.

1.0 CREDIT

1445 - Precalculus College Prep Level 2

Prerequisite: 1435 - Algebra II College Prep

This is a survey course in higher mathematics. Topics include advanced algebra, theory of equations, conics and curve sketching, trigonometry, and probability and statistics.

1447 - Advanced Placement Precalculus Level 3 1.0 Credit

Prerequisite: 1437 - Algebra II Honors

This is a university level college class. Topics include advanced algebra, polar coordinates, theory of equations, conics and curve sketching, trigonometry, limits, and an introduction to Calculus. Students in this course *must* take the CEEB AP Exam in Precalculus.

1448 – Advanced Placement Calculus AB Level 4 1.0 Credit

Prerequisite: 1447 – Pre-calculus -or- a recommendation from your 1437 - Algebra II Honors teacher.

This is a university level college class. This college level course is designed for students who can handle a very challenging curriculum in Mathematics. Students in this course *must* take the CEEB AP Exam in Calculus AB.

Electives in Applied Mathematics & Computer Sciences

1444 - Statistics Level 2 0.5 Credit

Pre/Co-requisite: 1435 - Algebra II College Prep

This semester-long course is designed to build students' knowledge of descriptive and inferential statistics. Topics in this course include the measures of central tendencies, z-scores, standard deviation, normal distribution, hypothesis testing, and topics in probability.

1450 - Computer Literacy Level 1 0.5 Credit

Open to freshmen and selected sophomores

This semester-long elective will introduce students to the foundations of programming. Students will develop computational and critical thinking skills in a blended learning environment. No prior computer science knowledge or experience is necessary.

1451 – Computer Science Level 1 0.5 Credit

Open to all students

This semester-long elective will build students skills in programming using the Python language. Students will develop computational and critical thinking skills in a blended learning environment. No prior computer science knowledge or experience is necessary.

1455 – Advanced Placement Computer Science Principles

Level 4

1.0 CREDIT

Prerequisite: 1437 - Algebra II Honors -or- 1435 - Algebra II and approval of the Mathematics Department Chairperson.

This course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cyber security concerns, and computing impacts. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students in this course *must* complete performance tasks and take the CEEB AP Exam in Computer Science Principles.

The World Languages Department

Knowledge of another language is important in the increasingly multi-national character of our society. The Department seeks to help students develop linguistic proficiency that will enable them to communicate in a language and ethnic ambiance different from their own. Students will take a cycle of three years of a language. Subsequent years of study must be in the same language as the first year. Many students will have the option of a fourth year of advanced studies with opportunities for earning college credit.

French

The French cycle is a three-year program designed to introduce and progressively increase a student's ability to speak, read, understand, and write French. The geography, history, culture, and institutions of France and of French-speaking nations will be explored.

1511 – French 1 Level 2 1.0 Credit

Prerequisite: Open to freshmen and selected sophomores

This course introduces students to the basic communication skills. Emphasis is on vocabulary building, grammatical structure, speaking and reading within the context of the foreign culture. The focus is on communication as it relates to the student's daily life.

1521 - French 2 College Prep

Level 2

1.0 Credit

Prerequisite: 1511 - French 1

This course is designed as a continuation of French 1. The vocabulary and reading material are quantitatively increased. More sophisticated grammatical structures are utilized. The geography, history and social institutions of France and of the French-speaking nations will be explored.

1522 – French 2 Honors Level 3 1.0 Credit

Prerequisite: A recommendation from your French teacher

This course is designed to increase students fluency, vocabulary, and grammatical skills in the French language. While exploring the geography, history and social institutions of France and of the French-speaking nations, students will develop a stronger grasp of sophisticated grammatical structures.

1531 – French 3 College Prep

Level 2

1.0 Credit

Prerequisite: 1521 - French 2

This course is designed to increase the student's ability to speak, read, understand and write French. The emphasis will be placed upon oral and written communication as well as various readings. The cultural focus will be on the present day structures and attitudes of French speaking people around the world.

1532 – French 3 Honors Level 3 1.0 Credit

Prerequisite: 1522 - French 2 Honors -or- A recommendation from your French teacher

This course is designed to enhance the student's ability to speak, read, understand and write French. Lectures will be delivered in French and students are expected to converse fluently in the language. Vocabulary developed in this and in previous classes will be utilized. The cultural focus will be on the present day structures and attitudes of French speaking people around the world.

1541 – College French Level 4 1.0 Credit

Prerequisite: A recommendation from your French 3 teacher

This course presents a thorough and systematic review of French grammar with emphasis on mastery of the language's fundamentals. Lectures on French writers, literary readings, and discussions of historical, cultural, and political topics are included. Students may pursue college credit through the St. John's University College Advantage Program.

Italian

With an emphasis on grammar, the Italian cycle emphasizes practical reading comprehension and speaking skills in Italian. The cultural aspects of the course will deal with Italy's linguistic and cultural influence around the world.

1513 – Italian 1 Level 2 1.0 Credit

Prerequisite: Open to freshmen and selected sophomores

This course introduces students to the basic communication skills. Emphasis is on vocabulary building, grammatical structure, speaking and reading within the context of the foreign culture. The focus is on communication as it relates to the student's daily life.

1523 - Italian 2 College Prep

Prerequisite: 1513 - Italian 1

This is a continuation of Italian 1. With emphasis on grammar, the student will work to expand their vocabulary range, improving their reading comprehension and speaking skills. The cultural aspects of the course will deal with the geography, history and social institutions of Italy and Italian influence around the world.

1524 – Italian 2 Honors Level 3 1.0 Credit

Prerequisite: A written recommendation from your 1513 - Italian 1 teacher

This course is designed for the student who has displayed a truly superior degree of achievement in Italian 1. Students will be expected to understand Italian when it is spoken at normal speed. They will read challenging prose, prepare talks and write short compositions.

1533 - Italian 3 College Prep

Prerequisite: 1523 - Italian 2

This course is designed to increase the student's ability to speak, read, understand and write Italian. The emphasis will be placed upon oral communication as well as selected readings. The present-day structure of Italian society will be among this course's cultural topics.

1534 – Italian 3 Honors Level 3 1.0 Credit

Prerequisite: 1524 - Italian 2 Honors -or- a written recommendation from your 1523 - Italian 2 teacher

This course is designed to enhance the student's ability to speak, read, comprehend and write in Italian. Lectures will be delivered in Italian and students are expected to converse fluently in the language. Vocabulary developed in this and in previous classes will be utilized. The focus on Italian culture will be presented by class discussion and by study of literary works in Italian.

1545 - Advanced Placement Italian

Level 4

Level 2

Level 2

1.0 CREDIT

1.0 CREDIT

1.0 CREDIT

Prerequisite: 1534 - Italian 3 Honors -or- a written recommendation from your 1533 - Italian 3 teacher

This course presents a thorough and systematic review of Italian grammar with emphasis on the further development of the student's skills in listening, speaking, writing, and reading. Introductory lectures on Italian writers, selected literary readings, expository writing, and discussions of historical, cultural, and literary topics are included. Students in this course *must* complete performance tasks and take the CEEB AP Exam in Italian.

Spanish

The focus of the Spanish cycle is on communication as it relates to daily life and reading within the context of the culture. After a thorough review of Spanish grammar, the student will work to expand their vocabulary range and reading comprehension ability. The cultural aspects of the course will deal with the history of the Hispanic world. Students will be expected to understand Spanish when it is spoken at normal speed. Eventually, they will read challenging prose, prepare talks, and write short compositions. Study of Hispanic culture will focus on the Spanish-speaking youth of today.

1515 – Spanish 1 Level 2 1.0 Credit

Prerequisite: Open to freshmen and selected sophomores

This course introduces students to the basic communication skills. Emphasis is on vocabulary building, grammatical structure, speaking and reading within the context of the foreign culture. The focus is on communication as it relates to the student's daily life.

1525 - Spanish 2 College Prep

Level 2

1.0 Credit

Prerequisite: 1515 - Spanish 1

This is a continuation of Spanish 1. After a thorough review of Spanish grammar, the student will work to expand their vocabulary range and reading comprehension. The cultural aspects of the course will deal with the geography, history and social institutions of the Hispanic world.

1527 – Spanish 2 Honors Level 3 1.0 Credit

Prerequisite: A written recommendation from your 1515 – Spanish 1 teacher

This course is designed for the student who has displayed a truly superior degree of achievement in Spanish 1. Students will be expected to understand Spanish when it is spoken at normal speed. They will read challenging prose, prepare talks and write short compositions.

1535 – Spanish 3 College Prep Level 2 1.0 Credit

Prerequisite: 1525 – Spanish 2

This course is designed to enhance the student's ability to speak, read, understand and write Spanish. The emphasis will be on oral and written communication. Study of Hispanic culture will focus on the Spanish-speaking youth of today. The student will be exposed to the different educational, vocational and social advantages of bilingualism.

1537 – Spanish 3 Honors Level 3 1.0 Credit

Prerequisite: 1527 – Spanish 2 Honors -or- a written recommendation from your 1525 – Spanish 2 teacher

This course is designed to enhance the student's ability to comprehend brief lectures delivered in Spanish and converse fluently in Spanish using vocabulary developed both in this and in previous courses. Students will read relatively challenging prose and write short literary analysis of works read and discussed in class.

1549 – College Spanish Level 4 1.0 Credit

Prerequisite: 1537 – Spanish 3 Honors -or- a written recommendation from your 1535 – Spanish 3 teacher

This course presents a thorough and systematic review of Spanish grammar. Emphasis will be placed on the further development of the student's skills in listening, speaking, writing, and reading. Introductory lectures on Spanish and Spanish-American writers, selected literary readings, expository writing, and discussions of historical, cultural, and literary topics are included. Students may pursue college credit through the St. John's University College Advantage Program.

The Science Department

Students enrolled in science courses with Regents Exams must submit 1200 minutes of written laboratory reports as evidence of NYS-mandated work.

1615 - BIOLOGY / THE LIVING ENVIRONMENT

Level 2

1.0 CREDIT

Open to freshmen and selected sophomores

This course will emphasize evolution; energy, matter and organization; maintaining a dynamic equilibrium; reproduction, growth and development; genetics and molecular biology. Students must fulfill a minimum lab requirement and pass the NYSED Regents Exam.

1617 - BIOLOGY / THE LIVING ENVIRONMENT HONORS

Level 3

1.0 CREDIT

Open to selected freshmen

This course will cover 1615 topics in greater depth, and the curriculum will include additional materials. Students must fulfill a minimum lab requirement and pass the NYSED Regents Exam, and preparation for the College Board SAT II will be integrated into the curriculum.

1621 - CHEMISTRY CONCEPTS

Level 1

1.0 CREDIT

Prerequisite: 1635 - Earth Science

Course topics include the fundamental understanding of subatomic structure, chemical reactions, trends of the periodic table, kinetics and equilibrium, acids and bases. Students must fulfill a minimum lab requirement.

1625 - CHEMISTRY COLLEGE PREP

Level 2

1.0 CREDIT

Prerequisite: 1635 - Earth Science

Course topics include the fundamental understanding of subatomic structure, chemical calculations, trends of the periodic table, kinetics and equilibrium, acids and bases, and nuclear chemistry. Students must fulfill a minimum lab requirement and pass the NYSED Regents Exam.

1627 – Chemistry Honors Level 3 1.0 Credit

Prerequisite: 1617 - Biology Honors -or- a written recommendation from your 1615 - Biology teacher

This course will cover 1625 topics in greater depth, and the curriculum will include additional materials. Students must fulfill a minimum lab requirement and pass the NYSED Regents Exam, and preparation for the College Board SAT II will be integrated into the curriculum.

1629 - Advanced Placement Chemistry

Level 4

1.0 Credit

Prerequisite: 1627 - Chemistry Honors -or- a written recommendation from your 1625 - Chemistry teacher

Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Students must fulfill a minimum lab requirement and *must* take the NYSED Regents Exam and the CEEB AP Chemistry Exam

1635 – Earth Science Level 2 1.0 Credit

Prerequisite: 1615 - Biology

This course will emphasize astronomy, meteorology and weather, climate, and geology. Students must take the New York State Regents Exam in The Physical Setting / Earth Science, complete mandatory laboratory requirements, and take the laboratory practical component of the exam.

1640 – Forensic Science Level 1 1.0 Credit

Open to juniors and seniors

This course covers topics such as DNA analysis, blood typing, comparative anatomy, DNA analysis and chemical analysis of drugs, poisons, and trace evidence. Students will additionally participate in solving mock crimes. Students must fulfill a minimum lab requirement.

1641 – Marine Biology Level 1 0.5 Credit

Open to juniors and seniors

This semester-long course covers the history of scientific exploration of the oceans, contemporary technologies, and issues affecting the marine environments of the world. Study of representative marine vertebrates from fish to marine mammals is included. Students must fulfill a minimum lab requirement.

1642 - Environmental Science

Level 1

0.5 CREDIT

Open to juniors and seniors

Fundamental topics of ecology and human impact upon our world are studied in this course, including the interdependence of the earth's systems; organism population and ecosystem levels; and the role of society in affecting environmental health. Students must fulfill a minimum lab requirement.

1645 – Physics Level 2 1.0 Credit

Prerequisite: 1625 - Chemistry

This course is designed to investigate the laws of motion, energy waves and nuclear structure through the use of extensive laboratory experience, audio-visuals, and classroom instruction. Students must fulfill a minimum lab requirement and pass the NYSED Regents Exam.

1649 – College Physics Level 4 1.0 Credit

Prerequisite: 1625 - Chemistry -or- 1653 - AP Environmental Science

This course is an introduction to mechanics electromagnetism. Mechanics includes motion in one and two dimensions, Newton's laws of motion, work and energy, linear momentum and collisions, rotational motion, and principles of conservation. Electromagnetism includes electrostatics, electric potential and energy, DC circuits, magnetism and electromagnetic induction, electromagnetic waves and wave properties, optics, and modern physics. Students may pursue college credit through the St. John's University College Advantage Program.

1651 - ADVANCED PLACEMENT BIOLOGY

Level 4

1.0 CREDIT

Prerequisite: A recommendation from your 1639 - AP Environmental Science teacher -or- your 1645 - Physics teacher

This course provides an advanced study in Biology. The laboratory experiments are designed to offer the students hands-on experience with college-level investigations. Students must fulfill a minimum lab requirement and *must* take the CEEB AP Biology Exam.

1653 - Advanced Placement Environmental Science

Level 4

1.0 CREDIT

Prerequisite: 1627 - Chemistry Honors -or- 1645 - Physics

This course provides students with the scientific principles, concepts, and methodologies required 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 and preventing future planetary concerns. Students fulfill a minimum lab requirement and *must* take the CEEB AP Environmental Science Exam.

1660 – Applied Robotics Level 1 0.5 Credit

Open to juniors and seniors

This semester-long course will cover principles of engineering, electronics, mechanics, and computer programming. Hands-on activities and group challenges will require students to build and modify functional robots to complete tasks. Students will learn to write basic scripts in order to create autonomous functionality.

1661 – Robotics II Level 1 0.5 Credit

Prerequisite: 1660 - Applied Robotics

This semester-long course builds on the engineering principles students gained in 1660 - Applied Robotics. Students will further leverage the use of sensors and programming to add, and streamline, autonomous functions to assist their robots in completing increasingly complex tasks.

1663 - Anatomy and Physiology

Prerequisite: 1625 - Chemistry

Level 2 0.5 Credit

This semester-long elective covers anatomical terminology, basic biochemistry, cells and tissues, and the skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Students must fulfill a minimum lab requirement.

1671, 1672, 1673 - Science Research Program / University at Albany

Level 4

1.0 CREDIT

Prerequisite: A recommendation from your science teacher and the approval of the Science Research Coordinator Program Requirements: Minimum of 3-4 hours of research each week.

The Science Research Program, taken in addition to another scheduled science course, is a three-year program designed to present to qualified students the opportunity to perform independent scientific research under the direct supervision of a mentor from a university or hospital. Students in this program may pursue college credit from the SUNY system through the University at Albany.

The Business Education Department

1710 - Introduction to Occupations

Level 1

0.5 CREDIT

Open to juniors and seniors

This semester-long course is designed to introduce students to the complexities of the working world and to apply concepts in the management of personal resources. Competencies for managing resources as a productive worker, a contributing family member, and a self-sufficient individual will be developed.

1712 – Personal Finance Level 1 0.5 Credit

Open to seniors

Financially responsible adults need to possess knowledge of many fiscal concerns. Students in this semester-long course will be introduced to such topics as banking accounts, credit cards, taxes, mortgages, loans, and insurance. Students will complete online modules from the American Financial Services Association in order to expand and deepen their understanding of material covered in the daily in-class instruction.

1713 – Financial Markets Level 1 0.5 Credit

Open to seniors

This semester-long course will introduce students to different methods of investing money. It will include the study of stocks, bonds, real estate investments, mutual funds, and the stock market. The course will also review the role of ethics in business. Students will complete online modules from the American Financial Services Association in order to expand and deepen their understanding of material covered in the daily in-class instruction.

1714 – Sports Management Level 1 0.5 Credit

Open to Seniors

This course stresses basic management principles as they relate to the business of sports. Students are introduced to sports marketing, sports law, sports supervision, sports media, sports ethics, sports facility management and other related areas. Developing and improving communication skills is emphasized throughout the course.

The Physical Education Department

The Physical Education courses strive to instill an appreciation for the benefits of physical activity, teamwork, and sportsmanship, while stressing cooperation and competition. The program includes instruction in the principles of physical fitness, weight training, and flexibility stretching. The curriculum also covers various team sports such as team handball, indoor soccer, volleyball, basketball, and softball. In addition, basic Yoga and Zumba are a part of the Girls Physical Education curriculum.

0.5 CREDIT

1741 – PE 9 FITNESS AND TRAINING

1742 – PE 10 FITNESS AND TEAM PLAY

Required for freshmen

Open to sophomores

1743 - PE 11 FITNESS AND SPORTSMANSHIP

1744 – PE 12 FITNESS AND LEADERSHIP

Open to juniors

Open to seniors

1785 – Health Level 1 0.5 Credit

Open to sophomores, juniors, and seniors

This course is designed to provide the student with knowledge of health principles in the areas of mental health, drug education (including alcohol, tobacco, and drugs), nutrition, physical fitness, basic first aid, human sexuality, and general wellness. It is a NYSED mandatory course.

The Art Department

1801 – Introduction to Art Level 1 0.5 Credit

Open to freshmen and sophomores

Students will be introduced to the elements and principles of design through a series of assignments. This semester-long course acts as a starting point for further investigation of the visual arts.

1811 - Introduction to Art II

Level 1

0.5 CREDIT

Prerequisite: 1801- Introduction to Art or freshmen with a portfolio

A continuation of Introduction to Art I, this semester-long course sees students continue their learning of Fine Arts and explore new concepts such as color theory and perspective drawing, while using a variety of mediums. Students will use information learned from Introduction to Art I to develop their portfolios and create more complex ideas and designs.

1821 – Three-Dimensional Design

Level 1

0.5 CREDIT

Prerequisite: 1811 - Introduction to Art II

This semester-long course provides students with experiences in the construction of three-dimensional sculptural forms as they relate to the principles of design. Students are provided opportunities to explore the use of paper, foam-core, cardboard, wood, plaster, wire, metal, and clay in their creations.

1822 – Painting Level 2 0.5 Credit

Prerequisite: 1811 - Introduction to Art II -or- a recommendation from a Fine Arts teacher

In this semester-long course, students will discuss the ideas of color theory and experiment with paints and color mixing. They will engage in a variety of subjects, including still life, landscape and portrait.

1823 – Cartoon Illustration & Design

Level 1

0.5 CREDIT

Prerequisite: 1811 - Introduction to Art II -or- a recommendation from a Fine Arts teacher

In this semester-long course students will learn about the various fields that illustration is made of. Students will create comics, packaging design for products, design covers for their favorite books, and create scenes that look believable but do not exist in our world (such as scifi and fantasy art). They will also learn about famous illustrators that helped pave the way for this style such as Norman Rockwell, Maxfield Parrish as well as, artists of the present working within this field.

1825 – Drawing Level 2 0.5 Credit

Prerequisite: 1811 - Introduction to Art II -or- a recommendation from a Fine Arts teacher

The goal of this semester-long course is to train students to see like an artist. Students will develop composition and drawing skills through the use of pencil, charcoal, ink, and pastels. Line, figure drawing, self-portraits, and contrast drawings are introduced in this course.

1828 – Digital Art Level 1 0.5 Credit

Open to juniors and seniors

In this semester-long course, students will explore the elements of digital image design and manipulation to visually and graphically communicate ideas for both fine and commercial art assignments. Students will become proficient with Adobe Photoshop. The primary aim of this course is to build a strong understanding of the principles and elements of design and the design process. Students will acquire basic skills in illustration, typography, and photography.

1831 – Digital Photography

Level 1

0.5 CREDIT

Prerequisite: 1811 - Introduction to Art II

Students must own a DSLR camera

This semester-long course introduces students to the processes and techniques of digital photography, including camera operation, shooting styles, image adjustments, aesthetic understanding, and corrections using image editing software.

1832 – Advanced Painting Level 3 0.5 Credit

Prerequisite: 1822- Painting -or- a recommendation from a Fine Arts teacher

In this semester-long course, students will develop painting techniques concerned with color application as well as the properties of design. They will be introduced to composition, various styles and media of painting. Included is the study of artists who represent different movements throughout the course of time.

1833 - Fashion Illustration & Design

Level 2

0.5 CREDIT

Prerequisite: 1825- Drawing -or- a recommendation from a Fine Arts teacher

This semester-long course is designed for students interested in fashion illustration and merchandising. Students will learn how to draw the fashion figure and clothing as they create their own works in pencil, colored pencil and marker. Students will build on concepts and techniques introduced in the 1st semester and will create a three dimensional paper dress as they learn about garment lines and construction. Students will learn about contemporary artists and designers as well as the history of fashion with each new lesson.

1835 – Drawing From Life Level 2 0.5 Credit

Prerequisite: 1825- Drawing -or- a recommendation from a Fine Arts teacher

In this semester-long course, students will develop observational drawing skills using a variety of mediums including graphite, charcoal, and ink. Students will work on still life, landscapes, portraits and figure drawings to build their personal portfolio.

1838 – Digital Art II Level 2 0.5 Credit

Prerequisite: 1828 - Digital Art I and a recommendation from a Fine Arts teacher

This semester-long course builds on the basic principles and design process learned in the Digital Art I course. Upon completion of this course, proficient students will be able to perform advanced software operations to create photographs and illustrations of increasing complexity. Students will employ design principles and use industry software to create layouts for a variety of applications. Students will learn to edit and adjust photographs, create original photo manipulations, original illustrations, and commercial art such as advertisements, posters and/or logos. Students will become proficient with Adobe Illustrator, Photoshop and InDesign.

1849 – AP 2D Art & Design Level 4 1.0 Credit

Prerequisite: A recommendation from a Fine Arts teacher

In this year-long course, students will work independently to prepare their personal portfolios. Students can work in a variety of formats including: graphic design, photography, collage, fabric design, weaving, fashion design, illustration, painting, and printmaking. Students will hone their skills and abilities to a more challenging level in preparation for college. Students *must* submit a portfolio to be graded for their CEEB AP 2D Art and Design college credits.

1850 – AP Drawing Level 4 1.0 Credit

Prerequisite: A recommendation from a Fine Arts teacher

In this year-long course, students will work independently to prepare their personal portfolios. Students can work in a variety of mediums including pencil, charcoal, markers, pastels, digital, paint, or printmaking. Students will hone their skills and abilities to a more challenging level in preparation for college. Students *must* submit a portfolio to be graded for their CEEB AP Drawing college credits.

1851 – AP Art History Level 4 1.0 Credit

Prerequisite: A recommendation from a Fine Arts teacher

In this year-long course, students will be introduced to college-level foundations of art history. The students will develop an understanding of the history of paintings, sculptures, and architecture from the ancient world to the present, with an emphasis on the visual arts as universal human expression. In addition students will read, discuss, write about art, artists, and develop the ability to interpret and analyze artwork. Students in this course *must* take the CEEB AP Exam in Art History.

The Music & Performing Arts Department

1861 - Training Band Level 1 1.0 Credit

Open to all students

This course is designed for students who have little or no experience with a concert band instrument. Students will be supplied with an instrument so they may learn how to perform and work together with a conductor in a concert band setting.

1863 – Concert Band Level 1 1.0 Credit

Prerequisite: A recommendation from the Music teacher

This course is designed for advanced students who have had previous experience with a concert band instrument. Students must have a degree of proficiency with a band instrument and should have a reliable sense of pitch discrimination.

1866 – Chorus Level 1 0.5 Credit

Open to all students

This course is designed to enhance the musical, creative and expressive qualities of all students. Musical opportunities are provided for every student to learn the basic skills of singing, playing and reading music, developing song repertoire, broadening listening skills and experiencing the interrelated nature of music with other cultures and content areas.

1875 – AP Music Theory Level 4 1.0 Credit

Prerequisite: A recommendation from the Music teacher

This course introduces students to musicianship, theory, musical materials, and procedures. Students will develop the ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The ability to read and write musical notation is fundamental to this course. Students *must* take the CEEB AP Exam in Music Theory.

1880 – Dance Level 1 1.0 Credit

Open to all students

This course introduces students to the concepts involved in understanding and integrating physicality and creativity through movement. Students will develop their sense of trust, timing, momentum, energy, space and contact, in order to build dynamic, safe, and creative movement. In-class work may be supplemented by limited readings, viewings and other outside activities.

Student Program Worksheet

Each student and their parents should plan a tentative program based on the guidelines in this catalog. The Guidance Department will review the tentative program to determine if it is suited to meet the student's academic requirements and if it agrees with their educational aptitudes and goals.

	Grade 9	Grade 10	Grade 11	Grade 12 [#]	Credits Required	Credits Completed
Theology					4	
English					4	
Social Studies					4	
Math					4*	
Language					3	
Science					3**	
Phys. Ed.					2	
Health					1/2	
Fine Arts					1	
Elective					1	
TOTAL					26 1/2	

[#] Seniors must take a minimum of 7 credits.

^{*}All students must take a Math elective for a fourth year of math, if they have completed the Algebra I, Geometry, Algebra II sequence.

^{**}Three years of laboratory science