

Comsewogue High School Course Catalog



2021-2022

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Ms. Brenda Hirko	Class of 2022 and 2024
Ms. Melissa Fiore	Class of 2022 and 2024
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Title IX

The Comsewogue School District at 290 Norwood Avenue, Port Jefferson Station, NY 11776, does not discriminate based on race, color national origin, or gender in the education programs or activities that it operates. This policy on non-discrimination includes counseling services for students and student access to education, programs, course offerings and student activities.

Planning a Successful Academic Program During Course Selections

This guide describes Comsewogue High School course offerings as well as State and Local graduation requirements. Counselor presentations during Social Studies classes, teacher presentations and elective video presentations during lunch periods will be held to assist students in planning their 2021-2022 academic program. Reading this guide thoroughly and carefully before final course selections are made is critical to planning a successful academic program!

Making the appropriate course selections is a prerequisite to your academic success. It is very important to select only those courses for which you have met the prerequisite. You should also know that the Master Schedule is built around your course selections, and only courses with sufficient enrollment can be offered.

By working together, we can insure that a meaningful and challenging academic program for each student will be achieved. We encourage all of our students to take full advantage of our outstanding programs and course offerings.

School Code

334-587

This code is used during the college application process, for SAT and ACT exams, etc.

This is the code you will put when asked for the High School CEEB code.

Table of Contents

Graduation Requirements	Page 5
NCAA Approved Courses.....	Page 6
Advanced Placement Program	Page 6
Career & Technical Education Programs.....	Pages 6-7
College Credit Courses	Pages 7-10
Art Courses.....	Page 11
Career & Technology Education Courses.....	Page 15
English Courses.....	Page 17
Health Courses.....	Page 21
Languages Other Than English (LOTE) Courses	Page 22
Mathematics Courses.....	Page 25
Music Courses	Page 29
Physical Education Courses	Page 32
Science Courses	Page 33
Social Studies Courses	Page 38
Technology Courses	Page 42

State and Local Graduation Requirements

Students must pass the following Regents examinations with a score of 65 or higher to graduate. Students who have a 90% or better average on the eight required Regents Examinations & LOTE Checkpoint B Exam may qualify for the Advanced Regents Diploma with Honors.

Regents Diploma	Advanced Regents Diploma
Algebra	Algebra
Living Environment OR Earth Science	Geometry
Global History	Algebra II
United States History	Living Environment
English	Earth Science, Chemistry OR Physics
	Global History
	United States History
	English
	L.O.T.E. (Foreign Language) Checkpoint B

The following minimum number of credits are required for a Local Diploma, Regents Diploma or Advanced Regents Diploma:

Subject Area	Credits Required
English	4
Social Studies	4
Mathematics	3
Science	3
Foreign Language	3
Art / Music	1
Health	0.5
Physical Education	2
Electives	1.5
Total	22

It is highly recommended that students exceed these requirements in order to become fully prepared for college and career-ready upon graduation from Comsewogue High School.

NCAA Approved Courses

The NCAA courses are maintained as a guide for prospective student-athletes seeking NCAA initial-eligibility. They are subject to change at any time and without notice. Certification of a prospective student-athlete is case-specific, and the NCAA Eligibility Center has the authority to determine its sole discretion whether the prospective student-athlete has met all the criteria.

A course with the NCAA Logo underneath the course code and name delineates a course approved by the NCAA. The logo is the same as the one directly below.



Advanced Placement Program

The Advanced Placement curriculum is the most challenging academic program that students can take during their high school career. AP students consistently demonstrate that they are willing to perform at the college level. Comsewogue High School offers a wide variety of Advanced Placement courses, all of which have received the College Board's approval and official AP designation. These include:

- English Literature and Composition
- English Language and Composition
- World History
- United States History
- United States Government and Politics
- Calculus AB
- Calculus BC
- Statistics
- Computer Science A
- Computer Science Principles
- Biology
- Environmental Science
- Chemistry
- Physics I
- Physics II
- French Language
- Italian Language
- Spanish Language

Enrollment in the Comsewogue High School AP program requires the completion of an application for participation, which includes an AP contract, an AP application letter, and three teacher recommendations. Acceptance is determined by the high school's Advanced Placement Selection Committee.

Depending upon the score achieved on the test and the policy of the college attended, students may receive college credit and/or advanced standing. The test fee is collected in October. For further information, see your Guidance Counselor and visit the College Board website.

Career & Technical Education Programs

The Boards of Cooperative Educational Services (BOCES) of New York State provide quality Career and Technical Education programs for secondary students. As many students know, CTE programs offer students the opportunity to receive specialized, hands-on training while still in high school. As described by BOCES, the primary goals of Career and Technical Education are to:

- Assist students in developing marketable, state-of-the-art career and technical skills.

- Educate students in programs that comply with current New York State standards.
- Provide well-qualified graduates to meet the challenging needs of business and industry.

Students attending a BOCES CTE program spend part of their day at Comsewogue High School and part of their day at one of the technical centers offering district-approved programs. Students attend BOCES in grades 11 and/or 12. “AM BOCES” means that students will attend periods 1-5 at BOCES and attend Comsewogue High School for periods 6, 7, and 8. “PM BOCES” means that students will attend Comsewogue High School for periods 1-5 and attend BOCES for periods 6, 7, and 8.

During course selection, counselors will discuss the options available and guide current 10th or 11th grade students into appropriate program decisions and placements. Regardless of the program selected, students will be considered for enrollment into a CTE program using the following district criteria:

- Remaining on track for graduation by passing English, Social Studies, Mathematics, Science, and Physical Education each year.
- Maintaining a satisfactory record of attendance in high school.
- Being a student in good standing (avoiding ineligibility, probation, and disciplinary action.)
- Having career interests and abilities geared toward district-approved CTE programs.

Your Counselor will discuss BOCES offerings for CTE programs with students meeting these criteria. Application to BOCES is required each year. Counselors will handle the application process with students to meet the BOCES deadline. Please see your counselor for further information.

College Credit Courses

Comsewogue High School affords qualified high school students an opportunity to take college courses and earn college credits while learning in the high school environment through four (4) universities: St. John’s University, SUNY at Stony Brook, Suffolk County Community College and Farmingdale State College. All courses offered by the four post-secondary institutions carry credit, which may be applicable toward a degree at other colleges/universities.

College Logos

To correlate with the College Credit Courses, the following logos will be placed next to courses in which college credit is available through a post-secondary institution.



SUNY Stony Brook: Accelerated College Education (ACE) Program



The ACE program helps high school students develop the skills necessary for a successful college career, familiarizes them with the demands of university coursework, and introduces them to the learning environment and resources of a major university before they enter college full time. Students enroll in Stony Brook University courses taught in their high school. Upon successful completion of ACE course requirements, students will receive credit from Stony Brook University for the course(s) in which they have enrolled and for which they have paid.

Courses Offered:

0541 Italian III – SUNY

0542 Italian IV – SUNY

0543 Italian V – SUNY

Student Cost: Stony Brook Tuition and fees are waived. Students must only pay a \$300 (2019-2020 fee, subject to change), non-refundable ACE Program fee for each course in which they are enrolled.

There are no provisions for students who need Financial Need. [Additional information about the ACE Program can be found on the Stony Brook University website.](#)

St. Johns University: College Advantage Program



The College Advantage Program at St. John's provides qualifying high school juniors and seniors with the opportunity to enroll concurrently in high school and credit bearing St. John's courses at a cost of \$325 per 3-credit course (2020-2021 fee, subject to change), a deep discount from regular undergraduate tuition rates. College Advantage students who enroll at St. John's University the semester after high school graduation receive a \$2,000 Tuition Grant per year for up to four years of continuous, full-time undergraduate study at St. John's.

Courses Offered:

0538 French CAP (FRE 2030 and FRE 2040)

0136 English CAP (ENG 1000c and ENG 2210c)

Student Cost: \$325 per 3-credit course. This fee is subject to change each year.

There are no provisions for students who need Financial Need. [Additional information about the College Advantage Program can be found on the St. Johns University website.](#)

SUNY Farmingdale State College: University in the High School Program



The University in the High School program enables qualified high school juniors and seniors to earn college credit for approved courses offered in their own school. Students who register with Farmingdale State College and successfully complete the course will be eligible to earn undergraduate college credits. Credits will be recorded on an official Farmingdale transcript and can either be used to pursue a degree at Farmingdale or a transcript can be sent to any other college the student wishes to attend.

Courses Offered:

0248 Criminal Justice – SUNY
0249 Economics – SUNY

0606 Accounting – SUNY
0619 Sports Management – SUNY
0615 Virtual Enterprise – SUNY

Student Cost: \$150 per 3-credit course / \$300 per 6-credit course. This fee is subject to change each year.

If you are a student enrolled in the free or reduced lunch program, you are eligible for reduced tuition at the rate of 50% per course (\$75 per course). This fee is subject to change each year. [For additional information on the University in the High School Program, please visit the Farmingdale State College website.](#)

Suffolk County Community College: Beacon Program



The Suffolk County Community College Beacon Program is a concurrent enrollment program that provides high school junior and senior students the opportunity to take The College's courses at their high school during their regular school hours, while simultaneously working toward high school graduation. The courses are taught by high school teachers who have been approved to teach the college courses at the high school. Students will be enrolled in the AP section of the course but will pay tuition to Suffolk Community College.

The following courses are offered at Comsewogue High School as part of this program:

- Chemistry
- Biology
- Forensic Biology
- Physics I
- Physics II
- Principles of Accounting
- Sports Management
- French
- Spanish
- Statistics

Student Cost: The cost varies for each course. Each course is three credits.

There are no provisions for students with Financial Need. [More information about the Beacon Program can be found on the Suffolk County Community College website.](#)

Suffolk County Community College: Early College Program



The Early College Program is an opportunity for high school juniors and seniors who attend Comsewogue High School to earn college credits while having an experience of college life. Students enroll in college classes and interact with college faculty, staff and other students. ECP students can earn college-level credits while continuing to complete high school.

All classes are taught by college professors, and ECP students are integrated into classes with college students. Each program participant is assigned an ECP counselor. With guidance from the College's Program staff, students select classes from the general education program or take a sequence of courses in a particular curriculum.

[For additional information on the Early College Program, please visit the Suffolk County Community College website.](#)



Course Descriptions

0701 | Studio in Art

Full Year, 1 Credit, Grades 9-12

Fine Arts Pathway

Studio in Art is a one-year foundation course designed for those students planning to elect further art courses as well as students desiring a broad background in the visual arts as part of their general education. Studio in Art is a prerequisite for all advanced art courses. Students work with a variety of materials in three-dimensional design, display, graphic design, painting and sketching, sculpture, and mixed-media techniques, and are introduced to art from prehistoric times to art in American daily life. **Successful completion of this course satisfies the New York State Art/Music requirement for graduation.**

0728 | Studio in Art 1

0729 | Studio in Art 2

Full Year (Alternating Days), 0.5 Credits Each, Grades 9-12

Fine Arts Pathway

Structured as alternate-day, one-year, half-credit courses for students needing more flexibility in their schedules, Studio in Art 1 and Studio in Art 2 are designed for those students planning to elect further art courses as well as students desiring a broad background in the visual arts as part of their general education. Studio in Art is a prerequisite for all advanced art courses. Students work with a variety of materials in three-dimensional design, display, graphic design, painting and sketching, sculpture, and mixed-media techniques, and are introduced to art from prehistoric times to art in American daily life. **Successful completion of each of these courses will satisfy the New York State Art/Music requirement for graduation.**

0740 | Drawing & Painting / Mural Design

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Studio in Art

Fine Arts Pathway

This course runs every other year. It will not run in 2021-2022; however, it will run in the 2022-2023 school year. Please see more information at the end of this section.

This course picks up where Studio in Art leaves off in the areas of drawing, design, and painting. Units include gesture and contour, sketching, value, color, the figure, landscape/still life, perspective, and non-objective and abstract drawing. As the skill of the artist's hand and the perception of the artistic eye are developed, art history is integrated to provide the student with a strong knowledge base. In addition, the arrangement of a palette, the preparation and stretching of a canvas, and the application of paint to a surface will be covered. The development of mural design and the application of techniques used in mural painting may be included throughout the year for students wishing to work on large-scale works of art in both paint and/or mosaic. A sketchbook is required.

0753 | Studio in Drawing & Painting

One Semester, 0.5 Credits, Grades 10-12

Prerequisite: Studio in Art

Fine Arts Pathway

This course picks up where Studio in Art leaves off in the areas of drawing, design, and painting. Units include gesture and contour, sketching, value, color, the figure, landscape/still life, perspective, and non-objective and abstract drawing. As the skill of the artist's hand and the perception of the artistic eye are developed, art history is integrated to provide the student with a strong knowledge base. In addition, the arrangement of a palette, the preparation and stretching of a canvas, and the application of paint to a surface will be covered.

0742 | Advanced Studio Art / Portfolio

Prep

Full Year, 1 Credit, Grades 10-12

Prerequisite: Studio in Art

Fine Arts Pathway

This course expands upon the techniques and ideas developed in Studio in Art with a more concentrated effort and a more varied and in-depth use of media. It will enable the student to do advanced level work in drawing, painting, printmaking, and three-dimensional design with an emphasis on the creative expression of the individual. The contribution of artists and art movements, which have shaped society, will be examined as well. Independent work is encouraged and expected. This class is for the serious-minded art student.

Students who are preparing portfolios will work with the teacher on specialized projects throughout the year. A wide variety of artworks is often required for art school and students are strongly encouraged to begin portfolio development in 10th or 11th grade, of work for Art School. Scholarship opportunity will be discussed.

0707 | Studio in Digital Drafting & Design

0751 | Studio in Digital Drafting & Design

1 – ½ Year Alt Day

0752 | Studio in Digital Drafting & Design

2 – ½ Year Alt Day

0707 - Full Year, 1 Credit, Grades 9-12; 0751 & 0752 - Full Year (Alternating Days), 0.5 Credits, Grades 9-12

STEAM Pathway

Have you wondered how someone designed the latest Smart Phone or sleek new Sports Car? Did you or someone you know ever have an idea for a new invention but couldn't figure out how to create the blueprints for it? If so, the Studio in Digital Drafting & Design may be the course for you! Using the CAD (Computer Assisted Drawing) Program, this course will provide students with basic knowledge about mechanical drawing. It encourages visual problem solving as students use graphic language to describe forms and shapes. Students will learn how engineers use computers to design and make drawings. Students will work from idea, to sketch, to technical drawing (Blueprints), and finally to actual construction of a prototype which can include 3D modeling and 3D printing. **Successful completion of this course satisfies the New York State Art/Music requirement.**

0750 | Digital Product Design

One Semester, 0.5 Credits, Grades 10-12

STEAM Pathway

This advanced course affords the student the opportunity to develop the knowledge and understanding of the aesthetics, principles, and skills involved in consumer industry product design. The use of the CAD (Computer Assisted Drawing) Program will be an intensive part of the class.

0709 | Digital Architecture 1

Full Year, 1 Credit, Grades 11 & 12

Prerequisites: Studio in Digital Drafting & Design; Digital Product Design or Teacher Recommendation

STEAM Pathway

The principles of architectural design and practice will be the focus of this course. Students will be involved primarily with residential structures meeting various types of design criteria. Topics to be covered include floor plans, elevations, rendered elevations and perspectives, sections, plot plans, and framing plans. Emphasis will be placed on the study of energy-efficient design. A complete set of presentations/technical plans will be a major requirement of the course.

0715 | Digital Architecture 2

Full Year, 1 Credit, Grades 11 & 12

Prerequisites: Digital Architecture 1 or Teacher Recommendation

STEAM Pathway

This advanced course is a continuation of Digital Architecture 1. Assignments are based on residential and commercial structures. However, students will apply more sophisticated elements of design to their blueprints.

0754 | Studio in Computer Graphics

One Semester, 0.5 Credits, Grades 11 & 12

Fine Arts Pathway

Organized around three main areas of study: 3-D rendering, multimedia design & web design, this course emphasizes effective visual communication based on a thorough knowledge of the elements and principles of design. Working with state-of-the-art equipment, students will be introduced to industry-standard software such as Adobe Photoshop, Illustrator, Dreamweaver, and AutoCAD to create artwork, graphic designs, animation, and websites, and will be prepared to compete in the

rapidly growing fields of web design and graphic arts.

0739 | Studio in Ceramics / Sculpture

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Studio in Art

Fine Arts Pathway

The program is designed to offer both aesthetic and technical experience for the appreciation of the three-dimensional form. As they develop sensitivity in the use of various materials, students will acquire dexterity to control the media and learn to express themselves in clay, wood, stone, pariscraft, and mixed media. Students will also be working with different clay bodies to create functional and aesthetic artwork through the use of throwing on the potter's wheel and hand building. Students will study historical and modern ceramic artists and artwork as a resource to make mugs, plates, bowls, teapots, and many more functional pieces along with free standing and wall hanging ceramic sculpture.

0725 | Advanced Sculpture

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Studio in Sculpture I and II

Fine Arts Pathway

From a foundation learned previously in Sculpture I and II, students will be able to gain expertise in a variety of materials and methods in sculpture. Practicing modeling, carving, casting, and construction, students will employ the mediums of clay and glaze; various woods such as poplar, pine, cherry, and walnut; stone types like soapstone and alabaster; plaster of Paris; and mixed media. Either by concentrating on one area in depth or by experimenting with a variety of materials and methods, students will address the problems of space, form, movement, scale, balance, and symbolic meaning.

0716 | Digital Photography I

One Semester, 0.5 Credits, Grades 10- 12

Fine Arts Pathway

This is an introduction course for digital photography. Students will study how to use a DSLR (Digital Single Lens Reflex) camera. Students will learn basic editing to manipulate and alter images using Photoshop. In addition, students will also learn how to take better photographs; emphasis will be placed on the composition and quality of prints. Use of available light and studio lighting will be covered.

0717 | Digital Photography II

One Semester, 0.5 Credits, Grades 11 & 12

Fine Arts Pathway

This course builds on the fundamental skills learned in Digital Photography I. In Digital Photography 2 students are shown special lighting techniques for use in portraits as well as personal and commercial photography. Use of available light and studio lighting will be covered. Different lenses and advanced lighting equipment will be covered.

0718 | Advanced Digital Photography 1

Full Year, 1 Credit, Grades 11 & 12

Prerequisites: Digital Photography I & II

Fine Arts Pathway

Students will produce a portfolio of work using available light and studio techniques. Advanced photography techniques and Photoshop will be covered with an emphasis on creating high quality, artistic photographs. DSLR cameras will be available to borrow outside of school.

0719 | Advanced Digital Photography 2

Full Year, 1 Credit, Grades 11 & 12

Prerequisites: Advanced Digital Photography 1

Fine Arts Pathway

Students in this course will produce a portfolio of work using available light and studio techniques. Advanced photography techniques and Photoshop will be covered with an emphasis on creating high quality, artistic photographs. DSLR cameras will be available to borrow outside of school.

0735 | Video Production

Full Year, 1 Credit, Grades 11 & 12

Fine Arts Pathway

This course explores the medium of video. The course will cover video camera usage, filming techniques, interview skills and editing with Final Cut Pro X. Students will use these skills to create short films covering events, activities, school programs, etc. at the high school. This coverage might include a news program to keep students and staff informed of daily activities. Covering events that are going on in our school will help keep the community informed. Film history and creative filming will be a part of the course as well. Students will have an opportunity to work with other students in teams for all of the projects developed. This course will allow students to produce videos to publicize all the wonderful classes and activities offered in our district.

0741 | Fashion & Interior Design

Full Year, 1 Credit, Grades 11 & 12

Prerequisites: Studio in Art or Studio in Digital Drafting & Design

This course runs every other year. It will run in 2021-2022; however, it will not run in the 2022-2023 school year. Please see more information at the end of this section.

This is a beginning course for students who wish to pursue a career in the Fashion and Interior Design world and will provide a groundwork to get into a design school such as FIDM or F.I. T. This industry is booming and students will be introduced to its many aspects including discussions on the business and marketing aspects. Fashion design topics will include gesture and figure drawing, fashion sketching, draping techniques and rendering in colored pencil, marker & watercolor, learning to sew and creation of a simple outfit and jewelry design. Jewelry will include beading, ceramic, and more. The Interior design session will include basic linear perspective to draw a room, color, setting a mood in a room, decorative accessories and space planning and creating a 3d model of a room. All projects will be able to be used for portfolio work in the top Fashion/Interior school. (Students not interested in a career in this field are still welcome to take this course!) College representatives from top schools will present throughout the year.

Please Note: Drawing & Painting / Mural Design (0740) and Fashion & Interior Design (0741) will run on opposite years. Fashion & Interior Design will next be offered in the 2021-2022 school year, and Drawing & Painting / Mural Design will next be offered in the 2022-2023 school year.

CAREER & TECHNOLOGY EDUCATION (C.T.E.)



Course Descriptions

0622 | Business 360

One Semester, 0.5 Credits, Grades 10-12

Business Pathway

Have you ever wondered what successful leaders, corporate visionaries, and innovative entrepreneurs had in common? After enrolling in Business 360, you may discover that you have many of these same qualities. This course is a full circle course, which revolves around the fundamentals of business. In Business 360, students will explore topics in Entrepreneurship, Marketing, Accounting, Business Law, Management, and E-Commerce. In this course, students will have the opportunity to develop a website and create their own business. Additionally, students will gain the leadership and interpersonal skills that will prepare them for college, their future careers, and a lifetime of achievement. Business 360 will introduce concepts in business, and ultimately provide students with the knowledge and skills they need to be college and career ready.

0623 | Competitive Edge

One Semester, 0.5 Credits, Grades 10-12

Business Pathway

Have you ever handed out a resume only to never get an interview? Imagine that your bills are piling up and your job search goes nowhere. What could be the problem? In today's competitive job market, hiring managers are consistently looking for superstars who already have the professional knowledge and skills needed to find success in the workplace. Without knowing who you are and what you have to offer, how can you ever surpass the competition? In Competitive Edge, students will understand the importance of gaining a competitive advantage over the other applicants, and will learn about the various skills they need to be college and career ready. Competitive Edge will provide students with the chance to explore topics

in Career Exploration, Interviewing Skills, Resume Writing, Computer Applications, Communications, Negotiations, and Professional Etiquette. Students will also have the opportunity to participate in networking, work experience, and internship opportunities.

0820 | Digital Generations: Creating a Professional Web Presence

One Semester, 0.5 Credits, Grades 11 & 12

Business Pathway



Creating a positive digital profile can be a challenging task for the 21st century student. In this course, learn how to utilize the power of the Internet and social media to enhance your web presence and digital profile. We will explore a number of topics including building a strong web presence, leveraging social media, creating and uploading video content, blended and distance learning as well as mobile devices as a learning tool. The culminating activity for this course the creation of a positive and sustainable web presence and digital profile. Discover how technology and social media impact society now and future forward.

0621 | Achieving Financial Success

Full Year, 1 Credit, Grades 10-12

Business Pathway

This course provides students with the essential knowledge and skills they need to prepare them for college, their future careers, and a lifetime of success. In Principles of Finance, students explore a career based on their interests and then learn how to successfully research and apply for a job. In addition, students in Principles of Finance will learn

about the importance of finances and the significance of financial responsibility. Topics of study discussed include Careers, Application Skills, Resume Writing, Wages, Savings, Investing, Taxes, Credit, Insurance, Rent, and the College Application process. In this course, students will have the opportunity to work with various guest speakers from professional industry and participate in mock interviews, networking events, and internship opportunities.

0619 | Sports Management - SUNY

Full Year, 1 Credit, Grades 11 & 12

Business Pathway

**Farmingdale
State College**
State University of New York

Do you have an interest in working in the sports industry? Does a career in coaching or management interest you? The sports and entertainment industry are a major business enterprise, and areas such as sports marketing, sponsorship, and sports media are expected to continue to grow over the next several years. In Sports Management, students will explore various topics related to the business of sports, which include the functions of management, skills required for a sport manager, and the value of athletic programs. Students will also learn about various elements of the sports and entertainment industry, and apply their knowledge to the creation of their own sports team. Students may earn 3 college credits through SUNY Farmingdale.

0606 | Accounting - SUNY

Full Year, 1 Credit, Grades 11 & 12

Business Pathway

**Farmingdale
State College**
State University of New York

This course is designed to develop occupational competencies in bookkeeping and stimulate interest in accounting as a field of study in college. Students will learn how to collect and verify source documents, analyze business transactions, journalize, post, and close accounts, generate financial statements and accounts for payroll. Additionally, students are introduced to computerized accounting procedures through the use of software simulations. Students may earn 3 college credits through SUNY Farmingdale.

0624 | Computer Applications - SUNY

One Semester, 0.5 Credits, Grades 11 & 12

Business Pathway

**Farmingdale
State College**
State University of New York

The knowledge of Microsoft Office is an essential skill that almost all employers look for today. Computer Applications is an introductory course, in which students will study computer terminology and software related to the business environment. Additionally, in Computer Applications, students will have the opportunity to have hands on experience utilizing Microsoft Word, Excel, PowerPoint, and Access. Students will work on various activities and projects that will demonstrate their understanding of Microsoft Office, and prepare them to use these skills to find success in their future careers. Student may earn 3 college credits through SUNY Farmingdale.

0615 | Virtual Enterprise

Full Year, 1 Credit, Grades 11 & 12

Business Pathway – Capstone Course

**Farmingdale
State College**
State University of New York

Have you ever wondered what it is like to work in an actual business? Virtual Enterprise is an international business simulation program that has students create and manage their very own virtual business. In VE, students take on the role of employees and are involved in actual “on-the-job” work experiences, including sales, marketing, accounting, personnel management, etc. The only difference between VE and actual business, is that no material goods are produced or real money is exchanged. In this course, students are expected to work individually and as a member of a team in order to fulfill the responsibilities and tasks associated with their department. Virtual Enterprise provides students with opportunities of a lifetime, which include participating in trade shows, attending competitions, and even consideration for scholarships. Students enrolled in VE may earn up to 6 college credits through SUNY Farmingdale, and may also repeat the course for HS credit. [Website](#), [Promo Video](#)

ENGLISH



Course Descriptions

0102 | English 9

Full Year, 1 Credit, Grade 9
Prerequisite: English 8



English 9 is designed to continue the development of all language arts abilities in listening, speaking, reading and writing. Students will study literature of various genre including poetry, drama, short stories and novels. Writing assignments will encompass a variety of audiences and purposes and will be integrated throughout the year.

0106 | English 10

Full Year, 1 Credit, Grade 10
Prerequisite: English 9



English 10 is designed to continue the development of all language arts abilities in the areas of listening, speaking, reading and writing. Students will engage in note taking exercises, public speaking projects, extensive essay writing, and literary analysis. The focus of study will include several full-length works with various themes reflecting a variety of cultures and periods in history.

0105 | English 10 Honors

Full Year, 1 Credit, Grades 9 & 10
Prerequisite: English 9X or English 9 with a Grade of 90 or Higher, Teacher Recommendation



English 10 Honors focuses on the examination of a variety of literary genres from many different countries and time periods. Students will engage in note-taking exercises, public speaking projects, extensive essay writing, and literary analysis. Students in the Honors class will read more

literature and examine that literature more deeply than students in the English 10 class. The students are expected to be motivated for literary analysis, discussion, and critical thinking. A summer reading assignment is required of all students.

0109 | English 11

Full Year, 1 Credit, Grade 11
Prerequisite: English 10



English 11 emphasizes the literary culture and tradition of the United States. Units ranging from Puritanism, to modern, to contemporary literature are discussed and studied in depth. Writing is an integral part of the curriculum with an emphasis on various types of essays (particularly essays of literary analysis) and research skills, and a formal research paper is completed. **Students will take the New York State Comprehensive English Regents in January and a class final in June. Passing the comprehensive English Regents is required for a high school diploma.**

0108 | English 11 Honors

Full Year, 1 Credit, Grades 10 & 11
Prerequisite: English 10 or English 10 Honors with a Grade of 90 or Higher, Teacher Recommendation



English 11 Honors fosters scholarship and inquiry by providing an in-depth study of literature and writing with a special emphasis on the literary culture and tradition of the United States. Units ranging from Puritanism, to modern, to contemporary literature are discussed and studied in depth. **Students will be expected to complete a variety of independent readings and an independent research project. Writing will be an integral part of the curriculum with an emphasis on various types of essays (particularly essays of literary analysis). Students**

will take the New York State Comprehensive English Regents in January and a class final in June. Passing the comprehensive English Regents is required for a high school diploma. A summer reading assignment is required of all students.

0120 | Contemporary Issues in Fiction and Nonfiction

One Semester, 0.5 Credits, Grade 12

Prerequisite: English 11



This course will explore both fiction and nonfiction works that help students build empathy and awareness through reading. The curriculum will focus on relevant adolescent experiences and issues while encouraging students to become critical thinkers and writers through their connections to the texts. This class is designed to expose students to a pre-college level of reading, discussion, and analysis of literature. A research paper/project will be required. This course satisfies 0.5 credit of the required 1.0 English 12 credit for graduation.

0121 | Sports Literature

One Semester, 0.5 Credits, Grade 12

Prerequisite: English 11

This course explores how sports began to take hold of the American imagination over 100 years ago and how it impacted literature and culture. The class will focus on themes of heroism, pride, identity, perseverance, and camaraderie. Sports bring people together and create a sense of community. Fans admire competitors' skills and talents, applaud great victories, and revel in underdog stories of triumph. Students will read, write, and discuss topics in sports that relate to and advance an understanding of our culture from the perspective of athletics. A research paper/project will be required. This course satisfies 0.5 credit of the required 1.0 English 12 credit for graduation.

0122 | Science Fiction / Horror

One Semester, 0.5 Credits, Grade 12

Prerequisite: English 11



Ready for a scare? How about blasting off to another galaxy? The purpose of this course is to explore the connections between modern society and the science fiction and horror genres of literature. Students will read two novellas or a novel, several short stories and watch films adapted from the required texts. Students will be expected to explore themes, writing style, and cultural commentary of the works studied. Reading literature, writing about comparisons, and presentations will be the major focus of the course, with a research component required. This course satisfies 0.5 credit of the required 1.0 English 12 credit for graduation.

0123 | Seniorsgarten: Stuff You Should Probably Know How to Do Before You Leave High School

One Semester, 0.5 Credits, Grade 12

Prerequisite: English 11

Just as kindergarten prepares young students for learning as they start school, Seniorsgarten will focus on the types of things that young adults need to know how to do as members of our society. Seniorsgarten students will be asked to research and learn how to do things that matter to the everyday person. With a PBL (problem-based learning) approach, our seniors will be asked to create projects that will not only challenge them to learn a particular task, but help to inform their fellow students how to accomplish these valuable tasks they will need to know how to do in the "real world." Whether it is setting up a household budget, balancing a checkbook, performing basic automotive maintenance, filing personal taxes, getting the best price for a used vehicle, or whatever else they can imagine, students will have the chance to learn, understand, and fine tune a range of skill sets before they graduate and have to fend for themselves. This course satisfies 0.5 credit of the required 1.0 English 12 credit for graduation.

0137 | English 12 Honors

Full Year, 1 Credit, Grade 12

Prerequisite: English 11 or English 11 Honors, Grade of 90 or Higher in English in Grades 9, 10 and 11; English Regents Grade of 85 (Mastery) or Higher



This course is designed for students who have shown an aptitude for language arts and who may wish to pursue further study of English, either in college or in Advanced Placement classes. The course will stress effective college-level writing as well as the critical examination of appropriate academic readings. Students will learn to write for a variety of purposes and in different genres, including expository, creative, and research-based writing.

The curriculum will focus on contemporary issues and relevant texts and literature. Students will complete presentations, projects, essays, and a research paper, while also working to build vocabulary and grammatical skills. A summer reading and writing assignment is required of all students.

0136 | English CAP

Full Year, 1 Credit, Grade 12

Prerequisite: English 11 or English 11 Honors, Grade of 90 or Higher in English in Grades 9, 10 and 11; English Regents Grade of 90 (Mastery) or Higher, a minimum of 1,000 on Critical Reading and Mathematics on PSAT or SAT, Teacher Recommendation



The CAP English course runs as a full-year class that covers both a semester of First-Year Writing and a semester of British Literature. In the first semester, students will work within a community of writers to generate ideas, read texts through the lens of a working writer, access and interrogate sources of information, revise, create multimodal texts, and design a final digital portfolio. Students will work in a workshop setting, sharing their writing and responding to the work of their classmates.

The course offers students an introduction to writing studies, an opportunity to experiment with their own developing styles, a chance to explore a range of compositional and rhetorical strategies, and the opportunity to research ideas and topics of relevance to their own lives and chosen disciplines. In the second semester, students will study works from the canon of British Literature, completing readings and literary analysis tasks. Students interested in earning up to six college credits from St. John's University can apply for CAP. A summer reading and writing assignment is required of all students. See College Advantage Program for additional information and tuition costs.

0116 | Advanced Placement English Language and Composition

Full Year, 1 Credit, Grade 11

Prerequisite: English 11 or English 11 Honors, Grade of 90 or Higher in English in Grades 9, 10 and 11



Advanced Placement English Language and Composition is designed for students who have demonstrated exceptional ability in the language arts areas of listening, speaking, reading, and writing. Students will examine the style, structure, and content of a wide variety of published writing. Students will explore all aspects of writing, building from multiple meanings of a single word through the various possibilities of sentence construction, as well as the structuring of the paragraphs and entire essays.

0115 | Advanced Placement English Literature and Composition

Full Year, 1 Credit, Grade 12

Prerequisite: English 11 or English 11 Honors, Grade of 90 or Higher in English in Grades 9, 10 and 11, Teacher Recommendations and AP Selection Committee Approval, English Regents Grade of 90 (Mastery) or Higher



Advanced Placement English Literature & Composition is designed for students who have demonstrated exceptional ability in the language arts areas of listening, speaking, reading and writing. The purpose of the course is to provide students with a college-level course in literary analysis.

Students will develop a clear understanding of a variety of literary texts, including novels, short prose, and poetry. Students will discover the importance of voice, syntax, and diction within a literary work, consider structure, style and themes, explore a variety of literary devices, and research historical values within the literature. This course involves reading, analyzing, and writing about literature and the ways in which authors create complex and layered works through their use of setting, characterization, tone, allusion, and theme. Within these broad designations we also do close examinations of sections of the work to explore the authors' use of mood, foreshadowing, passing allusions, imagery, diction, syntax, and other more specific devices of language that shape the novels, plays, poems, and other works that are part of the course of study in AP Literature.

0188 | Broadcast Media & Journalism

Full Year, 1 Credit, Grades 11 & 12

This is a great class for those who want to become better speakers, writers, and communicators, and for all who wish to learn more about communications fields like broadcasting, film, journalism, and social media. In a newsroom setting, students perform a variety of tasks. We will create both the school newspaper and several feature

broadcasts throughout the year. Speaking skills include poise, scripting speeches and clips, microphone work, voice over audio for videos, and interviewing skills. Students will create their own story ideas, design layouts, write features, interviews, editorials, and copy, and work with the audio video class to create screen tests, feature videos, and broadcasts. We will also discuss journalism ethics and expand our skills into 21st century media, such as YouTube channels, podcasts, social media, etc.

0173 | SAT Prep - English

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: English 9, Teacher Recommendation

SAT English Prep is a semester elective designed to prepare students to succeed on the Evidence-Based Reading and Writing sections of the new SAT test. The course will focus on reading strategies for reading comprehension passages, grammar/punctuation/sentence structure, vocabulary in context, test-taking tricks, using rhetorical/literary devices and techniques for the essay, time management, and much more. Students will get to take several practice tests and write practice essays as well. Overall, the class is a great opportunity to train for the SAT test during the school day at no extra charge.

HEALTH



Course Descriptions

1407 | Health (Semester)

1407: One Semester / 1408: Full Year, Alternating A or B Days, 0.5 Credits, Grade 10

Health focuses on the physical, emotional, and mental aspects of a person's well-being. Students learn about body systems and ways to promote personal nutrition, physical, emotional, and mental fitness. Health also emphasizes various social health issues, including parenting, life stages, substance abuse, and health vs. disease in society. **This course satisfies the NYS graduation requirement for health.**

Health is a required course for graduation.

1412 | Personal Health

1411 | Personal Health Alt Day

1412: One Semester, 0.5 Credits, Grades 11 & 12

1411: Full Year, Alternating A or B Days, 0.5 Credits, Grades 11 & 12

Health focuses on the physical, emotional, and mental aspects of a person's well-being. Students learn about body systems and ways to promote personal nutrition, physical, emotional, and mental fitness. Health also emphasizes various social health issues, including parenting, life stages, substance abuse, and health vs. disease in society. **This course satisfies the NYS graduation requirement for health.**

Health is a required course for graduation.

1404 | Human Anatomy

One Semester, 0.5 Credits, Grades 10-12



This course is designed for students who have an interest in the field of sports medicine. The student will learn about basic anatomy and physiology of the body, evaluate common sports injuries, learn how athletic injuries are treated, and acquire a knowledge base regarding rehabilitation and prevention of sports injuries. Students will also gain valuable insight into careers in the health professions that are related to sports medicine, like Physical Therapy.

This course is a health elective and does not satisfy the NYS graduation requirement.

LANGUAGES OTHER THAN ENGLISH (L.O.T.E.)



Course Descriptions

0509 | French I

0516 | Italian I

0501 | Spanish I

Full Year, 1 Credit, Grades 9-12



The Level I course of study in one of the Modern Romance Languages is an introductory course in which students learn the sound system of the language, basic vocabulary, and grammatical patterns. The student is introduced to the various customs pertaining to the country of the language being studied.

Juniors and seniors may take a Level I LOTE as an elective to study a third language after completing a minimum of three years in a second language.

0512 | French II

0519 | Italian II

0504 | Spanish II

Full Year, 1 Credit, Grades 9-12

Prerequisite: A passing grade on the FLACS Checkpoint A (administered in Middle School) or successful completion of Level I in High School



In the Level II course of study in one of the Modern Romance Languages, emphasis is placed on mastering more complex structures in speaking, listening, reading, and writing the target language and acquiring an extensive vocabulary. Readings give insight into the culture of the country.

0513 | French III

0520 | Italian III

0506 | Spanish III

Full Year, 1 Credit, Grades 10-12

Prerequisite: Level II



Language skills are improved and refined, and the most complex grammatical patterns are learned. Emphasis is placed on preparing for the FLACS Checkpoint B Examination that is given in June, with a particular focus on conversation, listening comprehension, and written expression.

0541 | SUNY Stony Brook Italian III

Full Year, 4 SUNY Stony Brook Credits / 1

Comsewogue Credit, Grades 10-12

Prerequisite: Level II



This course is designed for students who want a more rigorous course granting them college credit. Students will delve deeper into grammatical structures of the language and certain topics will be examined more closely through various projects with an authentic audience in mind. All instruction will also prepare students for the FLACS Checkpoint B Examination in June that will allow students to gain the Advanced Regents designation on their diploma.

All SUNY Stony Brook courses include a registration fee and are paid directly to the university shortly after registration. Please keep in mind that tuition is subject to change each school year.

0514 | French IV

0521 | Italian IV

0507 | Spanish IV

Full Year, 1 Credit, Grades 10 (Spanish only), 11 & 12

Prerequisite: Level III



Students engage in upper-level practice in reading, writing, listening, and, in particular, speaking in the target language. Study at this level includes an introduction to the literature of the language and participation in projects designed to encourage the creative use of the language in its spoken and written forms.

0542 | SUNY Stony Brook Italian IV

Full Year, 4 SUNY Stony Brook Credits / 1

Comsewogue Credit, Grades 11 & 12

Prerequisite: Level II



This course will be a continuation of the previous year, where students will increase their experience with all modalities of the language through project/problem-based learning. New topics will be added to the students' repertoire and will enhance their vocabulary, preparing them to use the language effectively with a target audience.

All SUNY Stony Brook courses include a registration fee and are paid directly to the university shortly after registration. Please keep in mind that tuition is subject to change each school year.

0526 | French V

0522 | Italian V

0528 | Spanish V

Full Year, 1 Credit, Grades 11 (Spanish only) & 12

Prerequisite: Level IV



This advanced course provides a solid base for understanding and using thematic vocabulary and complex grammatical structures, enhanced by a variety of literary readings and communicative activities. The communicative activities help build

the student's oral proficiency to advanced levels. Vocabulary and culture are addressed through selected readings, films, and projects. Students study the history and literary works of target language countries as well as culture and heritage through poems and essays of great literary masters.

0543 | SUNY Stony Brook Italian V

Full Year, 3 SUNY Stony Brook Credits / 1

Comsewogue Credit, Grades 11 & 12

Prerequisite: Level II



This is the last course in the SUNY Stony Brook sequence. This advanced level course will refine all modalities of the language, introducing new topics and vocabulary and emphasizing more fluent use of the language. **Students may be required to complete a summer reading and writing assignment.**

All SUNY Stony Brook courses include a registration fee and are paid directly to the university shortly after registration. Please keep in mind that tuition is subject to change each school year.

0515 | Advanced Placement French Language

0508 | Advanced Placement Spanish Language

Full Year, 1 Credit, Grades 11 (Spanish only) & 12

Prerequisite: Level IV, Teacher Recommendations and AP Selection Committee Approval



This rigorous course is designed to further enhance the utilization of the target language in listening comprehension, writing, and reading comprehension at the college level. Emphasis will include oral language expression, as well as reading and grammatical rules.

0538 | French CAP

Full Year, 1 Credit, Grade 12

Prerequisite: Level V, Teacher Recommendations
and AP Selection Committee Approval



This rigorous course is designed to further enhance the utilization of the target language in listening comprehension, writing, and reading comprehension at the college level. Emphasis will include oral language expression, as well as reading and grammatical rules.

0540 | Advanced Placement Italian Language

Full Year, 1 Credit, Grade 12

Prerequisite: Level IV, Teacher Recommendations
and AP Selection Committee Approval

This rigorous course is designed to further enhance the utilization of the target language in listening comprehension, writing, and reading comprehension at the college level. Emphasis will include oral language expression, as well as reading and grammatical rules.

MATHEMATICS



Course Descriptions

0342 | Algebra I

Full Year, 1 Credit, Grade 9

Prerequisite: 8th Grade Mathematics (Pre-Algebra)



The Algebra I course includes topics in real number sets, polynomials, linear equations, inequalities, graphing systems of equations, factoring, quadratic equations, exponential equations, functions and statistics. This course will assist students in developing skills and processes to be applied using diverse techniques to successfully solve problems in a variety of settings. Students are required to take the Regents examination in June.

0343 | Algebra I with Lab

Full Year, 1 Credit, Grade 9

Prerequisite: 8th Grade Mathematics (Pre-Integrated Algebra)



Algebra I with Lab is the same course as Algebra I [see previous] with the addition of a lab period attached to the class on alternate days to provide necessary support for the learning and mastery of the various mathematical topics. Students will take the Algebra I Regents Examination in June.

Students will take the New York State Algebra I Regents Examination in June. A passing grade on the Algebra I Regents (along with passing grades on the Geometry Regents and Algebra 2 Regents) is required for a Regents Diploma with Advanced Designation.

0344 | Geometry

Full Year, 1 Credit, Grade 10

Prerequisite: 9th Grade Mathematics (Algebra)



This course is the second year in the high school mathematics sequence. Reasoning and problem-solving skills are developed for topics such as congruence and similarity and applied to the study of lines, triangles, quadrilaterals, and circles. Length, perimeter, area, circumference, surface area, and volume are used to solve real-world problems. Students will take the Geometry Regents Examination in June. Satisfactory achievement on the Geometry Regents Examination is the second of three Regents examinations required for an Advanced Regents Diploma.

0345 | Geometry with Lab

Full Year, 1 Credit, Grade 10

Prerequisite: 9th Grade Mathematics (Algebra)



Geometry with Lab is the same course as Geometry (see previous) with the addition of a lab period attached to the class on alternate days to provide necessary support for the learning and mastery of the various mathematical topics. **Students will take the New York State Geometry Regents Examination in June. A passing grade on the Geometry Regents (along with passing grades on Regents in Algebra I and Algebra 2 is required for a Regents Diploma with Advanced Designation.**

0355T | Geometry Honors

Full Year, 1 Credit, Grades 9 (Accelerated) & 10

Prerequisite: 9th Grade Mathematics (Algebra) with a grade of 85 or higher



This course is the second year in the high school honors mathematics sequence. Reasoning and problem-solving skills are developed for topics such as congruence and similarity and applied to the study of lines, triangles, quadrilaterals, and circles. Length, perimeter, area, circumference, surface area, and volume are used to solve real-world problems. Students will take the Geometry Regents.

Satisfactory achievement on the Geometry Regents Examination is the second of three Regents examinations required for an Advanced Regents Diploma.

0371 | Foundations in Advanced Algebra

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Geometry



This is a one-year course that meets select New York State Learning Standard in Algebra 2. The course is designed to build on algebraic and geometric concepts learned in previous math courses. It will develop advanced algebraic skills, such as solving systems of equations, understanding properties of higher-degree polynomials including roots and end behavior, exploring exponential and rational functions algebraically and graphically, and drawing conclusions and probability. This course will also introduce higher-level mathematics such as matrices and complex fractions. Students who successfully complete this course will be eligible to take Algebra 2.

0366 | Algebra II

Full Year, 1 Credit, Grade 11

Prerequisite: Passing Course and Regents in Algebra I and Geometry; Teacher Recommendation



The purpose of this course is to satisfy the Algebra II requirement of the New York State Mathematics Standards. This upper level course fits into an overall program of mathematics studies with a rigorous academic core by extending what students have learned in the introductory level mathematics courses as well as introducing topics that are more advanced. These advanced topics include linear equations, inequalities, and systems, quadratic, polynomial, exponential, logarithmic, and Trigonometric functions, equations, and expressions. Students will take the New York State Algebra II Regents Examination in June. Satisfactory achievement on the Algebra II Regents Examination is the third of three required for an Advanced Regents Diploma.

0367 | Algebra II with Lab

Full Year, 1 Credit, Grade 11

Prerequisite: Passing Course and Regents in Algebra I and Geometry; Teacher Recommendation



Algebra 2 with Lab is the same course as Algebra 2 [see previous] with the addition of a lab period attached to the class on alternate days to provide support for the learning and mastery of the various mathematical topics. **Students will take the New York State Algebra 2 Regents Examination in June. A passing grade on the Algebra 2 Regents (along with passing grades on Regents in Algebra I and Geometry) is required for a Regents Diploma with Advanced Designation.**

0348T | Algebra II Honors

Full Year, 1 Credit, Grade 10 (Accelerated)

Prerequisite: 85 or Higher in Algebra I & Geometry Courses and Algebra I & Geometry Regents Exams



This course is the third year in the high school honors mathematics sequence. The purpose of this course is to satisfy the Algebra 2 requirement of the New York State Mathematics Standards. This upper level course fits into an overall program of mathematics studies with a rigorous academic core by extending what students have learned in the introductory-level mathematics courses as well as introducing more advanced topics. These advanced topics include linear equations, inequalities, and systems, quadratic, polynomial, exponential, logarithmic, and Trigonometric functions, equations, and expressions. Students will take the New York State Algebra 2 Regents Examination in June. Satisfactory achievement on the Algebra 2 Regents Examination is the third of three required for an Advanced Regents Diploma.

0651 | SAT Prep - Math

One Semester, 0.5 Credits (elective only), Grades 11 & 12

Prerequisite: 9th Grade Mathematics, Teacher Recommendation

This semester course is designed to prepare students to succeed on the mathematics portion of the College Board SAT Reasoning Test. This part of the SAT includes mathematics topics studied during the first two years of high school mathematics. Concepts such as Number and Operations, Algebra I and Functions, Geometry and Measurement, and Data Analysis, Statistics, and Probability will be emphasized and mastered.

0377 | Functions and Statistics

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Three years of High School Mathematics



Functions and Statistics includes concepts such as circular functions, logarithmic functions, matrices, family functions and transformations. The course will also expose students to some elements of statistics including, hypothesis testing, comparisons of means, regression models and normal and binomial distributions.

0375 | Introduction to STEAM

Full Year, 0.5 Credits, Grades 10 & 12

Prerequisite: Algebra I

STEAM Pathway

This course introduces students to the five areas of STEAM (Science, Technology, Engineering, Arts and Mathematics) through an interdisciplinary approach that will increase awareness, build knowledge, develop problem-solving skills, and potentially awaken an interest in pursuing a career in STEAM. The course will focus on projects what will incorporate learning engineering design process, basic coding skills, develop problem-solving strategies and incorporate a variety of technology.

0372 | College Algebra

Full Year, 1 Credit, Grade 12

Prerequisite: Completion of 2 Math Credits



This course is for seniors who have passed Integrated Algebra I, but who have experienced difficulty in mathematics and will not be pursuing the Advanced diploma. It is designed to prepare students for local college placement exams. A heavy emphasis will be placed on Algebraic skills without the use of a calculator. This course will be aligned with the curriculum and standards of MATH 001 & 007 offered at Suffolk Community College.

0313 | Precalculus

Full Year, 1 Credit, Grade 11

Prerequisite: 85 or Higher in Algebra I, Passing Algebra II, Teacher Recommendation



This course represents the “A” or the first third of the entire Advanced Placement Calculus syllabus and covers Precalculus and calculus topics in order to prepare students to enter Advanced Placement Calculus BC. The final examination is a school examination.

0311 | Precalculus Honors

Full Year, 1 Credit, Grade 11

Prerequisite: 85 or Higher in Algebra I, Geometry and Algebra II Honors; 85 or Higher on the Algebra I, Geometry and Algebra II Regents Examinations, Teacher Recommendation



This course represents the first third of the entire Advanced Placement Calculus syllabus and covers Precalculus and calculus topics in order to prepare students to enter Advanced Placement Calculus BC. Students in this class are 11th grade students who have successfully taken and passed the course and the state Regents exams in Algebra I, Geometry, and Algebra 2 accelerated with a minimum grade of an 85. The final examination in June is a school examination.

0310 | Calculus

Full Year, 1 Credit, Grade 12

Prerequisite: Algebra II



This course offers students a wide variety of topics that form the foundation of higher mathematics

and will prepare students to take Calculus in college. Topics include families of functions and transformations, theory of equations, rational functions, exponential and natural logarithmic functions, limits and continuity, the derivative and its applications and curve sketching.

0314 | Advanced Placement Calculus AB

Full Year, 1 Credit, Grade 12

Prerequisite: Precalculus, Teacher Recommendations and AP Selection Committee Approval



This introductory college course covers analytic geometry, elementary differential calculus, and elements of integral calculus.

0315 | Advanced Placement Calculus BC

Full Year, 1 Credit, Grade 12

Prerequisite: Precalculus, Teacher Recommendations and AP Selection Committee Approval



AP Calculus BC differs from AP Calculus AB in that one third of the entire calculus syllabus (A, B, C) has already been covered in Precalculus. Students in BC will study differential equations, techniques of integration, partial derivatives, and sequences and series.

0321 | Advanced Placement Computer Science

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Precalculus or AP Calculus (co-enrollment), Teacher Recommendations and AP Selection Committee Approval

STEAM Pathway



Because it is one of the most popular structured programming languages used in industry and because most colleges require their computer science students to learn it, Java is the language of Advanced Placement Computer Science.

0374 | Advanced Placement Computer Science Principles

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Algebra I

STEAM Pathway



Advanced Placement Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and prescribing practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The course is unique in its focus on fostering students to be creative. Students are encouraged to apply creative processes when developing computational artifacts and think creatively while using simulations to explore questions that interest them.

0353 | Advanced Placement Statistics

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Precalculus or AP Calculus (co-enrollment), Teacher Recommendations and AP Selection Committee Approval



The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

MUSIC



Course Descriptions

0903 | Concert Chorus (Every Day)

0964 | Concert Chorus (Alternate Days)

Full Year or Full Year Alternate Day, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 9-12

Fine Arts Pathway

This course is designed for students who are in a high-school-level chorus for the first time. The concert chorus is open to anyone in the school without an audition. Concert chorus emphasizes the development of vocal skills, performance skills, and music reading skills. This ensemble studies and performs a wide variety of choral literature from all styles, cultures, and periods. Co-requisites include participation in all scheduled concerts as well as weekly rotational lessons. Performances include one winter concert, two spring concerts, and a possible performance at the elementary and/or middle schools. Successful completion of concert chorus will enable a student to enter chamber choir. Students are also encouraged to study privately (see 0912, Applied Music).

0905 | Chamber Choir (Every Day)

0965 | Chamber Choir (Alternate Days)

Full Year or Full Year Alternate Day, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 11 & 12

Prerequisite: Concert Chorus, Teacher Recommendation

Fine Arts Pathway

This selective choir is open to all students who demonstrate the ability to meet the required music skills either through successful completion of concert chorus, or (for those sophomores, juniors and seniors new to the district) an audition with the instructor. The primary focus of this ensemble is the study and performance of advanced choral literature, with special emphasis on artistic refinement of musical concepts and skills and the preparation of music for public performance. Course co-requisites include weekly rotational lessons and

participation in all scheduled concerts and tours: one winter concert and two spring concerts; any special programs for elementary and/or middle school students; concerts for community organizations, concert tours, and exchange concerts; and concerts for adjudication. Students are also encouraged to study privately (See 0912, Applied Music).

0931 | Concert Band (Every Day)

0962 | Concert Band (Alternate Days)

Full Year or Full Year Alternate Day, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 9 & 10

Prerequisite: Successful Audition, Prior ensemble experience or individual instruction

Fine Arts Pathway

The Comsewogue High School Concert Band is an organization open to students with a background in wind or percussion instruments. Students will be performing in a number of co-requisite activities required to pass the course: three annual seasonal concerts; the homecoming parade in the fall; and the high school commencement ceremony in June. Students will be expected to attend weekly rotational lessons to fulfill their requirements for the class. Students are also encouraged to study privately on their band instruments (see 0912, Applied Music).

0920 | Symphonic Band (Every Day)

0960 | Symphonic Band (Alternate Days)

Full Year or Full Year Alternate Day, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 11 & 12

Prerequisite: Successful Audition, Prior ensemble experience or individual instruction

Fine Arts Pathway

The Comsewogue High School Symphonic Band is an organization open to students with a background in wind or percussion instruments. Students will be performing in a number of co-requisite activities required to pass the course: three

annual seasonal concerts; the homecoming parade in the fall; and the high school commencement ceremony in June. Students will be expected to attend weekly rotational lessons to fulfill their requirements for the class. Students are also encouraged to study privately on their band instruments (see 0912, Applied Music).

0932 | Concert Orchestra (Every Day)

0963 | Concert Orchestra (Alternate Days)

Full Year or Full Year Alternate Day, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 9 & 10

Prerequisite: Audition to demonstrate proficiency at NYSSMA "Grade 3" Level

Fine Arts Pathway

The Comsewogue High School Concert Orchestra is an organization open to students with a background in stringed instruments. Students are required to attend three annual concerts and weekly rotational lessons. Some students will also participate in school-related events outside of the school day. Students are also encouraged to study privately (see 0912, Applied Music).

0922 | Symphonic Orchestra (Every Day)

0961 | Symphonic Orchestra (Alternate Days)

Full Year or Full Year Alternate Days, 1 Credit (Every Day) / 0.5 Credits (Alternate Days), Grades 11 & 12

Prerequisite: Audition to demonstrate proficiency at NYSSMA "Grade 3" Level

Fine Arts Pathway

The Comsewogue High School Symphonic Orchestra is an organization open to students with a background in stringed instruments. Students are required to attend three annual concerts and weekly rotational lessons. Some students will also participate in school-related events outside of the school day. Students are also encouraged to study privately (see 0912, Applied Music).

0907 | Fundamentals of Performing Arts

Full Year, 1 Credit, Grades 9-12

Prerequisite: Teacher Recommendation

Fine Arts Pathway

This introductory course in theater is open to all students with an interest in drama, dance, and music. Students explore the technical and

performance side of theater through performance-based projects. Class participation is a major part of this program. Students will study and develop skills in all aspects of the performing arts. Co-requisites include attendance and participation at two evening performances.

0906 | Music Theory

Full Year, 1 Credit, Grades 10-12

Prerequisite: Teacher Recommendation

Fine Arts Pathway

This course runs every other year. It will not run in 2021-2022; however, it will run in the 2022-2023 school year. Please see more information at the end of this section.

Music Theory explores all the fundamentals of music and deepens the student's knowledge of writing and listening to music. This course will cover every aspect of musical notation, basic ear training, and the structural elements of music. Students will also be introduced to music selections from the classical era up to modern-day popular music and jazz. This course will include the basic use of computers in reading, writing, and analyzing music, and will be most valuable to students who plan to enter the music profession as well as those who are looking for a deeper understanding of music.

0937 | Advanced Music Theory

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Music Theory

Fine Arts Pathway

Advanced Music Theory continues to explore all the fundamentals of music in greater depth. This class involves intensive theoretical study and extensive ear training through the reading, writing, and analysis of music and includes the use of computers. This course is recommended for those students planning to study music at the collegiate level.

0912 | Applied Music

Full Year, 1 Credit, Grades 9-12

Prerequisite: Minimum of 1 Year of Private Music Instruction

Students are allowed to earn one credit by taking private music lessons from qualified music instructors. Students who are accepted into the Applied Music program must take one half-hour lesson a week for thirty-six weeks during the school year. Students will be given forms at the start of the

school year to document their progress; these forms are to be submitted quarterly. (It is the responsibility of any Applied Music students not participating in symphonic band, orchestra, or chorus to contact the Music Department faculty in order to be assigned to an appropriate Music Department teacher for monitoring.) At the end of the school year, Applied Music students will be given a playing or singing examination by their assigned teacher. However, participation in the New York State School Music Association Solo Fest will be an adequate substitution for this requirement.

0967 | Audio Production

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Minimum of 1 Year of Private Music Instruction

Fine Arts Pathway

The purpose of Audio Production class is to introduce and foster the study and practice where technology and music worlds intersect. This class can serve all of the following: the student with no prior musical experience, for students who already study an instrument in school, for students who take private lessons or for students who have learned about music or an instrument in a less formal fashion.

This program seeks to expand the students' horizons as far as musical taste and exposure. Students will be provided hands-on experience with technology in order to gain a first-hand understanding of the cutting-edge innovations that exist in the Music Technology realm. They will be able to demonstrate how technology can be used to aid in the recording and presentation

Please Note: Music Theory (0906) and Music Appreciation (0950) will run on opposite years. Music Appreciation will next be offered in the 2021-2022 school year, and Music Theory will next be offered in the 2022-2023 school year.

of acoustic instruments as well as how electronic music can be produced or recorded. Such music creation will be explored for the variety of purposes in which it can be heard today.

This course will explore the fundamentals of creating and organizing music with computers. This is a project-based class in which students will use Logic Pro X to create and arrange music.

Students will learn how to manipulate music by creating medley mixes, music re-arranging, and exploring the digital world of music. Digital audio, MIDI and the sound recording booth will be used and incorporated to create music files. Students will learn basic concepts on making beats and music patterns to be used in music production. Keyboard skills are helpful but not necessary.

0950 | Music Appreciation

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Minimum of 1 Year of Private Music Instruction

Fine Arts Pathway

This course runs every other year. It will run in 2021-2022; however, it will not run in the 2022-2023 school year. Please see more information at the end of this section.

Music Appreciation is teaching people what to listen for and how to understand what they are hearing in different types of music. This course will cover jazz, popular, classical and more. Grading will be based on classwork and participation. Being able to read music is not a prerequisite for this course.

PHYSICAL EDUCATION



Course Descriptions

1131 | Physical Education

Full Year, 0.5 Credits, Grades 9-12

All physical education courses include individual, lifetime, adventure, cooperative, and team-oriented activities for all students. Students earn ½ credit for the full year and meet every other day on an A/B-day schedule.

1104 | Adaptive Physical Education

Full Year, 0.5 Credits, Grades 9-12

Adaptive physical education is offered only for students who require an individualized educational experience.

1151 | P.E. Mind & Body Wellness

Full Year (Alternating Days), 0.5 Credits, Grades 10-12

A full year physical education class that will focus on individual fitness activities and overall health and well-being. Some classes will be discussion based. Activities may include: walking/jogging, yoga, meditation, HITT (high intensity interval training) workouts, strength and agility workouts and cycling. Discussion based classes may include: Nutrition and the relationship between nutrients, food, health and disease, different eating styles/diets (keto, vegan, vegetarian, paleo, fasted eating), Organic vs Non-Organic foods, the food industry, current trends in the nutrition/food space and the mind body connection.

SCIENCE



Course Descriptions

0421 | Living Environment

Full Year with additional A/B Day lab period, 1 Credit, Grade 9
Prerequisite: Life Science (8th Grade)



This course provides students with an understanding of the interrelationships between living things and their environment. Units of study include Ecology, Evolution, Genetics, Reproduction, and Homeostasis. Emphasis is placed on environmental problem solving and decision-making whereby students evaluate current environmental problems and assess the advantages and disadvantages of alternative solutions to them. Students are prepared to take the Living Environment Regents in June. In order to sit for the exam, all students must complete the NY State mandatory laboratory requirement. Passing the Living Environment Regents satisfies the science exam requirement for a Regents diploma and partially fulfills the requirement for a Regents diploma with advanced designation.

0407 | Advanced Placement Biology

Full Year with additional A/B Day lab period, 1 Credit, Grades 11 & 12
Prerequisite: Living Environment with a minimum grade of 90, Chemistry or Chemistry Honors with a minimum grade of 90, Teacher Recommendation and AP Selection approval



Advanced Placement Biology is the equivalent of freshman college biology. Topics include classification, a brief overview of the five kingdoms, the chemistry of biology, cell structure and function, energetics, genetics, reproduction and development, plant physiology, vertebrate biology,

animal behavior, evolution, and ecology. Students attend the SUNY Stony Brook Biotechnology Lab to complete AP laboratory requirements.

0423 | Physical Setting / Earth Science

Full Year with additional A/B Day lab period, 1 Credit, Grades 9-12
Prerequisite: Living Environment



Physical Setting/Earth Science places emphasis on the analysis of the ever-changing earth on which we all live. Concepts in Geology, Meteorology and Astronomy are explored and instruction is driven towards the interconnectedness between these themes. Students will participate in laboratory exercises and design their own investigations that provide hands on exploration of these topics. Students are prepared to take the Physical Setting/Earth Science Regents in June. In order to sit for the exam, all students must complete a New York State mandated laboratory requirement. Satisfactorily written laboratory reports must be filed with New York State.

0432 | Physical Setting / Earth Science Honors

Full Year with additional A/B Day lab period, 1 Credit, Grades 9-12
Prerequisite: Living Environment



Honors Earth Science students will study the topics described in 0423 with greater depth and rigor; including topics that go beyond the NY State Earth Science Core Curriculum. Students will be motivated to participate in more challenging lab exercises and field experiences that require a higher level of commitment and foster leadership skills. This course is designed to prepare students to take

the Physical Setting/Earth Science Regents in June and to provide the skills needed to take Advanced Placement Science courses in the future. In order to sit for the exam, all students must complete a New York State mandated laboratory requirement. Satisfactorily written laboratory reports must be filed with the State.

0433 | Advanced Placement Environmental Science

Full Year with additional A/B Day lab period, 1 Credit, Grades 11 & 12
Prerequisite: Living Environment with a minimum grade of 90, one Physical Science (Chemistry, Physics or Earth Science) with a minimum grade of 90, Teacher Recommendations and AP Selection Committee Approval



The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships in 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 to manage or prevent these problems. Topics include geology, biology, chemistry, and geography. The course is designed to be the equivalent of a one semester, introductory college course in environmental science.

0409 | Physical Setting / Chemistry

Full Year with additional A/B Day lab period, 1 Credit, Grades 9-12
Prerequisite: Living Environment or Earth Science; Passing Mathematics



Physical Setting/Chemistry explores chemical concepts/principles and focuses on twelve key areas: matter and energy; atomic structure; bonding; periodic table; mathematics of chemistry; kinetics and equilibrium; acid-based theory; redox and electrochemistry; organic chemistry; application of principles of reaction; nuclear chemistry; and laboratory activities. Emphasis is placed on the use of chemical measurement with respect to behavior of matter and energy. Students

are prepared to take the Physical Setting/Chemistry Regents in June. In order to sit for the examination, all students must complete a mandated laboratory experience. Satisfactorily written laboratory reports must be filed with New York State.

0410 | Physical Setting / Chemistry Honors

Full Year with additional A/B Day lab period, 1 Credit, Grades 9-12
Prerequisite: Living Environment or Earth Science with a minimum grade of 85; Passing Mathematics with a minimum grade of 85, Teacher Recommendation



Honors Chemistry students will study the topics described in 0409 with greater depth and rigor; including courses that go beyond the NY State Chemistry Core Curriculum. Students will be motivated to participate in more challenging laboratory exercises, as well as design their own inquiry experiments that illustrate the chemical concepts they learned in class. Emphasis will be placed on independent research and analysis of scientific literature. Students are prepared to take the Physical Setting/Chemistry Regents in June and given a strong science background needed to take Advanced Placement Science courses. In order to sit for the exam, all students must complete a New York State mandated laboratory requirement. Satisfactorily written laboratory reports must be filed with New York State.

0411 | Advanced Placement Chemistry

Full Year with additional A/B Day lab period, 1 Credit, Grades 10-12
Prerequisite: Chemistry or Chemistry Honors with a minimum grade of 90, Teacher Recommendations and AP Selection Committee Approval



Advanced Placement Chemistry is designed to be the equivalent of freshman college chemistry. Students attain a deep understanding of chemistry fundamentals and are prepared to solve chemical problems. Topics include thermo-dynamics, qualitative and quantitative analysis, quantum mechanics, spectroscopy, bonding, solution, and

equilibrium chemistry. Emphasis is placed on chemical calculations, the mathematical formulation of chemical principles, and a wide range of laboratory work.

0412 | Physical Setting / Physics

Full Year with additional A/B Day lab period, 1 Credit, Grades 10-12

Prerequisite: Earth Science or Chemistry or Chemistry Honors, Passing Mathematics



Physics, a study of the behavior of energy and matter, is the science that describes how the physical world works. It is the most fundamental of all sciences because all of the other sciences build upon physics. The five major units of the Physical Setting/Physics course are:

- Mechanics-study of motion and the forces causing an object's motion
- Energy-the ability to do work through the transfer/conservation of energy
- Electricity and Magnetism-the investigation of stationary and moving charges
- Waves-the investigation of energy transportation and the manner in which it travels
- Modern Physics-the most recent interpretations of classical theories

Students are prepared to take the Physical Setting/Physics Regents in June. In order to sit for the examination, all students must complete a mandated laboratory experience. Satisfactorily written laboratory reports must be filed with the State.

0416 | Physical Setting / Physics Honors

Full Year with additional A/B Day lab period, 1 Credit, Grades 10-12

Prerequisite: Earth Science or Chemistry or Chemistry Honors with a minimum grade of 85, Passing Mathematics with a minimum grade of 85, Teacher Recommendation



The Physical Setting/Physics Honors course includes topics beyond **0412**. Students should also expect

more rigorous mathematical descriptions of physical principles and more challenging laboratory experiences. Students are prepared to take the Physical Setting/Physics Regents in June. In order to sit for the examination, all students must complete a mandated laboratory experience. Satisfactorily written laboratory reports must be filed with New York State.

0413 | Advanced Placement Physics I

Full Year with additional A/B Day lab period, 1 Credit, Grades 10-12

Prerequisite: Earth Science or Chemistry or Chemistry Honors with a minimum grade of 85, Passing Mathematics with a minimum grade of 85, Teacher Recommendation



The AP Physics I course includes topics beyond 0412. Students should also expect more rigorous mathematical descriptions of physical principles and more challenging laboratory experiences. Students are prepared to take the Physical Setting/Physics Regents in June. In order to sit for the examination, all students must complete a mandated laboratory experience. Satisfactorily written laboratory reports must be filed with New York State.

0414 | Advanced Placement Physics II

Full Year with additional A/B Day lab period, 1 Credit, Grades 10-12

Prerequisite: Physics or AP Physics I with a minimum grade of 90, Earth Science or Chemistry or Chemistry Honors with a minimum grade of 90, Passing, Teacher Recommendation, AP Selection Committee Approval



The Advanced Placement Physics II course is designed to be the equivalent of the physics course usually taken during the freshman year of college. It includes topics in both classical and modern physics including mechanics, electricity, and magnetism found in a rigorous first-year college physics course. The aim of the course is to develop student's ability to read, understand, and interpret physical information (verbal, mathematical, and graphical);

describe and explain the sequence of steps in the analysis of a particular phenomenon or problem; use arithmetic, Algebraic, geometric, and trigonometric reasoning in a physical situation or problem; perform experiments; and interpret the results of observations.

0424 | Astronomy

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: Living Environment and one Physical Setting Science



Astronomy will introduce students to the universe in which they live. Through lectures, hands-on demonstrations, and fieldwork, students will gain a collective knowledge about the universe. Course topics include: history of astronomy; creation of the universe; galaxy formation; star formation; planetary systems; constellations; history of space flight; possibilities for extraterrestrial life. This course will encompass the four sciences (biology, chemistry, earth science, physics) to explain and illustrate the mechanics of the universe. Several night meetings, for the purpose of observation, are required (weather permitting). **This course may be combined with another semester science elective to satisfy the 3rd year of science requirement for graduation.**

0418 | Conceptual Physics

One Semester, 0.5 Credits, Grades 11 & 12

This course will examine many of the central concepts of a traditional physics course through the use of common English and a focus on developing a conceptual foundation through interactive, hands-on, and discovery activities. The course de-emphasizes the use of mathematical formulas/equations and shall be geared for students to enhance their understanding of the basic laws and rules of the physical world that connect and apply to many STEAM (Science, Technology, Engineering, Arts, and Mathematics) pathways. The course will be divided into two main units; Mechanics and Electricity. The basic topics covered in the unit of Mechanics will focus on the comprehension of velocity, acceleration, forces, momentum, energy, and rotation. The unity of Electricity will focus on static and current electricity, electric circuits, and magnetism.

0431 | Environmental Science

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: Living Environment



This course presents students with real-life environmental issues and concerns. It is designed to encourage and challenge students to think about practical solutions to these concerns. The six core areas of study are ecology, air, food, aquatic systems, water and energy. Emphasis will be placed on understanding the major scientific principles behind how our environment works and the impact society has on the environment. This course may be combined with another semester science elective to satisfy the 3rd year of science requirement for graduation.

0425 | Forensic Science

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: Living Environment and Chemistry



In Forensic Science the chemical and physical evidence left behind at crime scenes will be scientifically investigated. Students will use technology to participate in activities that closely resemble those used by law enforcement personnel and forensic scientists. The major topics of study include physical properties of evidence; hair and fiber analysis; fingerprints; tool marks and other impressions; forensic serology; and DNA evidence. By stepping into the role of a forensic scientist, the students learn and apply numerous scientific strategies and skills. **This course may be combined with another semester science elective to satisfy the 3rd year of science requirement for graduation.**

0435 | Forensic Biology - SCCC

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: Living Environment and Chemistry



The focus of this course is on the biological aspects of forensic investigations and the analysis of biological evidence found at the crime scene. Particular emphasis will be given to DNA and the analysis of body fluids and other biological materials. The roles of anthropology, environment and entomology will also be investigated.

Students will be able to receive college credits (if they apply and are accepted, as well as pay a required fee) through Suffolk Community College.

0426 | Marine Science

One Semester, 0.5 Credits, Grades 11 & 12

Prerequisite: Living Environment and Chemistry



Despite the fact that 71% of the Earth is covered with water, we actually know more about the surface of the moon than we do about the topography and contents of the oceans. Foundations of Marine Science will be developed by first studying Oceanography, which includes the physical and chemical properties of the oceans, and then studying Marine Biology, which includes the largest collection of organisms on Earth, representing almost every Kingdom and Phyla. Fundamentals of ecology and evolution will be stressed. This course

may be combined with another semester science elective to satisfy the 3rd year of science requirement for graduation.

0415 | Intel Preparation Research Course

Full Year, 1 Credit, Grades 9-12

Prerequisite: Minimum of 85 average in core subject classes

STEAM Pathway



This course is designed for those students who wish to develop projects over an extended period and who wish to enter competitions with the objective of winning Intel Scholarships in their senior year. Students will be required to develop and improve their projects by conducting individual research, working with a mentor, and having the independent work monitored by the instructor. The State University and other institutions will be involved with the program. Students and their parents must be committed to fulfilling the goals of the program. Field trips and independent research with mentors will be required. Research emphasis will be in the areas of science, mathematics, philosophy, sociology, and psychology. Students are expected to meet with the teacher after school for consultation regarding their research.

Juniors must have research proposals submitted to the department before they register for this course for their senior year. Participation in a summer collegiate program is highly recommended.

SOCIAL STUDIES



Course Descriptions

0202 | Global History & Geography I

Full Year, 1 Credit, Grade 9

Prerequisite: 8th Grade Social Studies



This course is a required course that exposes students to the major historical events and achievements in world history from 8000 BCE – 1750 CE. In this course, students will investigate and analyze the significant events, individuals, achievements, and developments of world history by using the historical literacy skills and methods employed by historians. Students will be asked to analyze primary and secondary sources, make historical comparisons, utilize chronological reasoning, and formulate a sound argument.

0201 | Global History & Geography I Honors

Full Year, 1 Credit, Grade 9

Prerequisite: 8th Grade Social Studies, Teacher Recommendation



This course covers the same content as course 0202 but topics are studied more in depth and assignments are more rigorous.

0205 | Global History & Geography II

Full Year, 1 Credit, Grade 10

Prerequisite: Global History & Geography I



This course is a required Regents level course that exposes students to the major historical events and achievements in world history from 1750 through the present. Students will investigate and analyze the significant events, individuals, achievements, and developments of world history by using the

historical literacy skills and methods employed by historians. Students will be asked to analyze primary and secondary sources, make historical comparisons, utilize chronological reasoning, and formulate a sound argument. This course will prepare students for the required Global History II Regents exam.

0204 | Global History & Geography II Honors

Full Year, 1 Credit, Grade 10

Prerequisite: Global History & Geography I with a minimum grade of 85



This course covers the same content as course 0205 but topics are studied more in depth and assignments are more rigorous. This course completes a student's preparation for the New York State Global History & Geography Regents Examination administered in June and required for a high school diploma. A summer reading assignment is required of all students.

0214 | Advanced Placement World History

Full Year, 1 Credit, Grades 10-12

Prerequisite: One or more years of high school Social Studies with a minimum grade of 90 in each course, Teacher Recommendations and AP Selection Committee Approval



This rigorous college-level World History course is organized chronologically from 1000 AD to the present. The study includes an examination of the impact of interaction among major societies (in trade, exchange, war, and diplomacy); the relationship of change and continuity across time; the impact of technology and demography on

people and the environment; social structure and gender structure; cultural and intellectual developments and interactions among and within societies; and the changes in functions and structure of states and in attitudes toward states and political identities. Students will be expected to read historical materials in a discriminating way and to write effectively in an interpretive and analytical fashion. Tenth grade students are also required to take the New York State Global History and Geography Regents Examination. A summer reading assignment is required of all students.

0208 | United States History & Government

Full Year, 1 Credit, Grade 11

Prerequisite: Global History & Geography II



American history is studied chronologically with emphasis on key historical events throughout our nation's past. Major units include: the pre-colonial era, the Federalist era, the expansion period, pre and post-civil war (reconstruction), our industrial growth, and American problems in the 20th century, as well as an in-depth study of our constitution as it lays the groundwork for all governmental and historical directions. Students take the New York State US History & Government Regents Examination in June, required for a high school diploma.

0207 | United States History & Government Honors

Full Year, 1 Credit, Grade 11

Prerequisite: Global History & Geography II with a minimum grade of 85, Teacher Recommendation



This course covers the same content as 0208 above but topics are studied more in depth and assignments are more rigorous. Students take the New York State US History & Government Regents Examination in June, required for a high school diploma. A summer reading assignment is required of all students.

0215 | Advanced Placement United States History

Full Year, 1 Credit, Grades 11 & 12

Prerequisite: Grade of 90 or higher in Global History and a Grade of 90 or higher on the Global History Regents Exam



This course is recommended for students who are motivated to be involved in a rigorous and demanding investigation of US History. Students engage in assessing historical materials - their relevance to a given interpretive problem, their reliability and importance - and weigh the evidence and interpretations presented in historical scholarship. Students develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present ideas clearly and persuasively in essay format. Eleventh grade students are also required to take the New York State US History and Government Regents Examination. A summer reading assignment is required of all students.

0237 | Advanced Placement United States Government & Politics

Full Year, 1 Credit, Grade 12

Prerequisite: Three years of high school Social Studies with a minimum grade of 90 in each course, Teacher Recommendations and AP Selection Committee Approval



This course will give students an analytical perspective on government and politics in the United States and will focus on the three branches of government, the political party system in America, the Constitutional origins of our government, state and local governments, and civil rights and civil liberties in a democratic society. This course is a rigorous one that requires a significant amount of critical reading, writing, and thinking. Because the general principles of economics will be integrated into the study of the American political system, this course will satisfy the New York State Participation in Government requirement and the Economics requirement for seniors. A summer reading assignment is required of all students.

0211 | Criminal Justice

One Semester, 0.5 Credits, Grade 12

Prerequisite: United States History & Government



Students will have the opportunity to explore the criminal justice system of the United States, including an in-depth study of the penal laws of New York State; correction facilities and the courts; and crime and the criminal element. A variety of guest speakers, including judges, attorneys, police officers, and others actively involved in the criminal justice system, help to enhance the learning experience as students discuss the problems facing our society related to criminal activity. **This course will satisfy the New York State Participation in Government requirement for seniors.**

0238 | Criminal Justice - SUNY

One Semester, 0.5 Credits, Grade 12

Prerequisite: United States History & Government



This course is the same as 0211 but 3 college credits are earned from St. John's University if students apply and are accepted to this program. Instruction is at a college level. **See Special Programs, College Advantage Program, for additional information and tuition costs. This course will satisfy the New York State Participation in Government requirement for seniors.**

0212 | Economics

One Semester, 0.5 Credits, Grade 12

Prerequisite: United States History & Government



This course helps students to understand how today, more than ever, economics plays a vital role in society. The relationships between nations are more likely today to revolve around economic matters than around every day political affairs of state. Trade and exchange seem to reach into every aspect of our lives through the goods and services we consume and the choices we make in the marketplace and voting booth. **This course will satisfy the New York State Economics requirement for seniors.**

0239 | Economics - SUNY

One Semester, 0.5 Credits, Grade 12

Prerequisite: United States History & Government



This course is the same as 0212 but 3 college credits are earned from St. John's University if students apply and are accepted to this program. Instruction is at a college level. **See Special Programs, College Advantage Program, for additional information and tuition costs. This course will satisfy the New York State Economics requirement for seniors.**

0210 | Government & Genocide

One Semester, 0.5 Credits, Grades 11 & 12



Genocide, holocaust, mass-murder - all the preceding have been committed by governments. How could these atrocities have happened? This course will examine government policies and practices in Germany, Cambodia, Turkey, and Iran. Could this happen in the United States? **This course will satisfy the New York State Participation in Government requirement for seniors.**

0218 | Psychology

One Semester, 0.5 Credits, Grades 11 & 12



Students will examine the fundamental principles of human behavior. Topics include the science of psychology (with emphasis on misunderstood problems), learning theories, personality and emotional development, heredity and environment, mental health, family living, and social attitudes. Activities include psychological investigations and experiments.

0220 | History of Now: United States 1945 - Present

One Semester, 0.5 Credits, Grades 11 & 12



This half year course will examine in depth how the United States has arrived as a country where we are today by studying and analyzing key events and people in our nation's history since the end of World War II. Key topics will include (but are not limited to) the end of the WWI, the Cold War, Suburbanization, Korean and Vietnam Wars, 60's counter culture. Civil Rights movement, pop culture, feminism, and all of the presidents and major events from Truman through present day. To help us in our discovery of where we are today, we will use a variety of resources including music, movie clips/videos, primary source documents and pictures among other things. The main emphasis of this course is the intersection of politics, economics, culture and society in post WWII America. **This course will satisfy the New York State Participation in Government requirement for seniors.**

TECHNOLOGY



Course Descriptions

0825 | CISCO: IT Essentials

Full Year, 1 Credit, Grades 11 & 12

Technology Pathway

The Cisco Networking Academy® IT Essentials curriculum provides an introduction to the technical skills needed to help meet the growing demand for entry-level ICT (Information and Communication Technology) professionals. The curriculum covers the basics of computers, mobile device hardware, and software, while introducing advanced security and networking concepts and the responsibilities of an ICT professional. Also, IT Essentials helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification.