

EAST SYRACUSE MINOA CENTRAL SCHOOL DISTRICT

2023-2024



HIGH SCHOOL COURSE CATALOG

Class Profile 2023

EAST SYRACUSE MINOA COMMUNITY

Our community is a thriving business and residential community which includes a wide range of socio-economic groups. The 72-square-mile suburban district has a resident population of more than 22,000 and encompasses the Villages of East Syracuse and Minoa. A strong, supportive business presence with Amazon, Bristol Myers-Squibb, CORE Federal Credit Union, Siemens and others provides numerous career opportunities. As part of Central New York's four-season region, the district is minutes from the City of Syracuse's downtown amenities. Location: 2 miles off exit 34A of the NYS Thruway. Follow Route 481 South to exit 5E, Kirkville Road East. Continue one mile to first stop light, turn left to 6400 Fremont Road.

East Syracuse Minoa Central High School, 6400 Fremont Road, East Syracuse, NY 13057
www.esmschools.org

SCHOOL

The East Syracuse Minoa Central School District is proud of the strong academic program and instruction provided from Pre-Kindergarten through High School. We are one of eleven comprehensive high schools in NYS with 110 teaching staff members. High School classes meet on a 4x4 block schedule on alternate days of the week. Lab sciences meet 3 days out of a 4-day rotation. Classes meet for 75 minutes. ESM has a partnership with Onondaga Community College through OCC Advantage and Spartan Academy, our Early College High School Program. The college bound student competes in a strong academic environment with AP courses and other college preparatory offerings. Our Career Pathways and STEM initiatives focus on college and career readiness and business and community partnerships. ESM is a charter member of the CNY STEM Hub.

COVID RELATED UPDATE

For the 2019-2020 school year, ESM students worked remotely from March to June. Additional opportunities were provided for students to recover their grades for successful completion. For the 2020-2021 school year, ESM students worked in either a hybrid or virtual schedule for the majority of the school year. Credit/grade recovery was offered for students trending towards not passing. The credit/grade recovery course provided prescribed course work. Once completed, the credit/grade recovery grades were combined with the course average for a final grade. These credit/grade recovery courses are listed separately on the transcript.

ACCREDITATION: State Education Department of NY

Advanced and Honors Programs

Advanced Placement Courses: United States History, World History, US Government & Politics, Statistics, Calculus, Art History, Portfolio Prep, Computer Science, Psychology, Music Theory

Honors Courses: English, Social Sciences, Math, Science, Accelerated Courses in 8th grade: Algebra, Living Environment, World Language, Studio in Art

SUNY College Courses: Spanish, Italian, Latin, Statistics, Pre-Calculus, Exploring Statistics, Introduction to Business, Automotive Technology Fundamentals, Introduction to Mass Media Communications, Global Environmental Science, Special Topics in Research, Early Childhood Education, Public Speaking, Freshman Composition & Literature

Syracuse University's Project Advance Program: Accounting, Sociology, Public Affairs, Economics, Forensic Science, Chemistry, Physics, Biology

CTE Programs: Automotive Technology, Communication and Media Studies, Cosmetology, Construction Technology, Culinary Arts, Early Childhood Education, Finance

Project Lead the Way (RLT): Introduction to Engineering Design (IED)

Television Production Studio: Communications study, Local Daily News productions, Video/File creation

Aviation: Introduction to Aviation and Aerospace, Aviation and Aerospace 2

GRADING POLICY

Traditional 100-point scale with a minimum passing grade of 65% and above. Students are marked on a numerical basis. The passing grade is 65 and above. Regents scores are stand alone assessments and are not calculated into course final averages.

GRADUATION REQUIREMENTS

22 units including 4 each in English and Social Studies, 3 each in Math and Science, World Language, Health, Physical Education, and Art or Music and fulfillment of New York State Regent Exam requirements.

Class Profile 2023

GRADE POINT AVERAGE/CLASS RANK

Determined by averaging credit-bearing courses taken through the junior year including any classes in summer school. GPA weighted for AP, Honors, and College Level courses only. Pass/Fail courses are not included.

SPARTAN ACADEMY/OCC TRANSCRIPT COURSES/CREDITS

Spartan Academy is an Early College High School Program that provides the opportunity to potentially graduate high school with both a high school diploma and an associate's degree. College courses taken on the college campus are reflected on the transcript under the heading of "SUNY OCC." College courses taken on the high school campus are reflected under the ESM High School heading. High school credit and calculating GPA/rank are only awarded and applied to those courses used for high school graduation/high school degree progression. Only grades of C or better are reported for Onondaga Community College courses.

EXTRA-CURRICULAR ACTIVITIES

At East Syracuse Minoa, extra-curricular activities encompass a wide variety of sports including: baseball, basketball, bowling, cheerleading, cross country, field hockey, football, golf, gymnastics, lacrosse, soccer, softball, tennis, track, volleyball, and wrestling. Other co-curricular and extra-curricular activities include: Accounting Club, Air Force Cyber Security Competition, Art Club, Athletic Strength Club, Book Club, Carpentry Club, Chemistry Club, Clay Club, Cosmetology Club, Covey Training, DECA, Engineering Club, Drone Club, Foreign Language Honor Society, Friends of Rachel Club, Frontiers of Science Club, Future Chefs of America Club, Game Design Club, PRISM Club, Individual World Language Clubs, International Club, Ireland Club, Key Club, Marching Band, Masterminds, Math League, Mock Trial, Model UN, National Honor Society, NYSSMA, NYS Business Marketing Club, O.A.K., P.A.W.S., PEAK, Science Olympiad, Show Choir, Sources of Strength, Spartan Designers, Spartan Express News Magazine Club, Spartan Garage Auto Tech Club, Spartan Junior High Honor Society, Spartan Manufacturing Club, Spartan Media Club, Spartan Pride, Spartan Stage, Sport Management Club, Stage Band, Stage Crew, Student Council, Student Forum, Three Steps Forward, Winter Guard, Winter Percussion Ensemble, Yearbook, Youth Against Cancer and Youth Development Leadership. There is an array of activities available with flexibility to accommodate new interests as they arise.

Main Office: (315) 434-3300
Counseling Office: (315) 434-3306
Fax: (315) 434-3340
College Board Code #331750

ADMINISTRATION

Dr. Donna J. DeSiato, Superintendent
 Dr. Thomas Nevelidine, Deputy Superintendent
 Mr. Grenardo L. Avellino, Executive Principal
 Ms. Naomi Trivison, Associate Principal
 Mr. Antwaun Dixon, Assistant Principal
 Mrs. Kate Liddle, Assistant Principal
 Mrs. Cheryl West, Director of Counseling,
 Youth Development & Leadership
 Mrs. Shelly LaMarche, Coordinator of Spartan Academy
 & College & Career Pathways

COUNSELORS

Ms. Jordan Campo jcampo@esmschools.org
 Ms. Michelle Moisan mmoisan@esmschools.org
 Mrs. Jacqueline Riley jriley@esmschools.org
 Mr. Christopher Robinson crobinson@esmschools.org
 Mr. Michael White mwhite@esmschools.org

SECONDARY EDUCATION

	Number Graduated	4 Year Colleges	2 Year Colleges
2019	241	52%	23%
2020	221	51%	26%
2021	263	42%	21%
2022	244	36%	38%

ADVANCED PLACEMENT*

	2020	2021	2022
Candidates	107	147	134
AP exams written	146	232	202
Students receiving a 5	22%	13%	18%
Students receiving a 4 or better	67%	38%	45%
% of students receiving a 3 or better	78%	72%	67%

**according to the College Board*

Members of the National Association of College Admission Counselors, NASSP, and NYSACAC

Spartan Pride

Vision

The East Syracuse Minoa Central School District will be an exemplary 21st Century learning community whose graduates are prepared to excel in a complex, interconnected, changing world.

Mission

The East Syracuse Minoa Central School District will prepare students for the 21st Century by engaging all learners in meaningful learning experiences that meet the highest educational and ethical standards in a caring, collaborative learning community supported through partnerships with parents and families, businesses, civic organizations, and higher education.

Belief Statements

Our beliefs serve as a foundation for our District and express the core values and principles we embrace.

We believe that:

- Each individual has dignity and worth.
- The capacity to learn for each individual is boundless.
- Curiosity and exploration stimulate innovation and learning.
- High expectations and challenging curriculum lead to greater achievement.
- Effort and perseverance are essential to achieve one's personal best.
- Positive relationships are fundamental to success and growth.
- Collaboration within and among school, families and community partners is essential to meet the needs of each student.
- Acceptance and mutual respect encourages students to take the risks necessary for academic and personal growth.
- Education prepares students to become productive and responsible citizens who contribute to their communities.
- Students need to develop their strengths, confidence and resilience to meet the challenges they will face throughout life.

District Goals

- Increase student achievement through high expectations supported by a consistent, comprehensive focus on teaching and learning.
- Increase student achievement by building capacity within the system to support and nurture a continuum of learning through the implementation of research-based effective practices.
- Increase student achievement by strengthening parent engagement and community partnerships.

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Service and Information

Career and Technical Endorsement to Regents Diplomas

This is an endorsement included on diplomas for students who have completed an approved career and technical education program within the district or one of the OCM BOCES programs.

CDOS Commencement Credential

This is for students who have entry-level work readiness skills. It can be earned by a student with a diploma or as their only high school exiting credential. *This is not considered a diploma.*

Credit

Students are awarded one credit toward their diploma for the successful completion of a full year of study in a course. Courses that meet for shorter periods award less than a full credit.

Elective

Electives are additional courses other than courses that are needed to meet the minimum required for graduation.

Local Diploma

This is a type of diploma that certifies students have met the commencement level New York State (NYS) learning standards by successfully completing a certain number of units of credit in NYS assessments. Students meet these requirements through courses of study in the areas of English, Social Studies, Math, Science, Physical Education, Art, Health, and Career and Technical Education.

Regents Diploma

This is a type of diploma that certifies students have met the commencement level of NYS learning standards by successfully completing a certain number of units of credit and five (5) NYS Regents exams. Students meet these requirements through courses of study in the areas of English, Social Studies, Math, Science, Physical Education, Art, Health, and Career and Technical Education.

Regents Diploma with Advanced Designation

This is a type of diploma that certifies students have completed requirement in addition to those for a Regents Diploma. For this designation students complete two additional credits in a language other than English, OR a five unit sequence. Students will also be required to pass additional Regents examinations in Math and Science.

Regents Diploma with Honors*

This is a type of diploma certifying that an average of 90 percent or higher was achieved on all Regents examinations required for a Regents diploma. Averages below 90 percent shall not be rounded upward to a 90.

Special Endorsements

Honors: A student earns a computed average of at least 90 on the Regents examinations applicable to either a Regents diploma or a Regents diploma with Advanced Designation. No more than two department approved alternatives can be substituted for Regents examinations and the locally developed Checkpoint B LOTE examination is not included in the calculation.

Mastery in Math and/or Science:

A student meets all the requirements for a Regents Diploma with Advanced Designation AND earns a score of 85 or better on three Math Regents examinations and/or three Science Regents examinations.

Technical Endorsement: A student meets the requirement for either a local diploma, a Regents diploma or a Regents diploma with Advanced Designation AND successfully completes a Department approved CTE program including the three part technical assessment.

Seal of Biliteracy

The New York State Seal of Biliteracy (NYSSB) is an award given to high school graduates who have demonstrated a high level of proficiency in English and one or more world languages. The NYSSB encourages the study of languages, affirms the value of diversity in a multilingual society, and provides universities and future employers with additional information about applicants. The Seal of Biliteracy can be pursued by any student attending a school that offers the NYSSB and is proficient in and/or studying English and at least one world language. This includes students who speak a language other than English at home and are studying a world language in high school. (Adapted from NYSED. GOV)

Seal of Civic Readiness

The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. (Adapted from NYSED. GOV)

**A Regents Diploma with Advanced Designation Honors can be achieved by meeting both criteria. For more details go to www.p12.nysed.gov*

Service and Information

Skills and Achievement Commencement Credentials

For a student with significant disabilities. Students must complete at least 12 years of school and document skills, strengths, and levels of independence in academics, career development, and foundational skills needed for post-school living, learning and working.

Regents Examinations

Regents exams are assessments developed by the NYSED and are the foundation of the student assessment process. Assessments are rigorous and include such expectations as writing, science experiments, and demanding mathematical problems applied to real life or work situations.

Sequence

Students may complete a five-unit sequence in career and technical education (business, family and consumer science, and technology) or the arts (fine or visual arts) to fulfill the additional 2 units of languages other than English requirement for the Regents Diploma with Advanced Designation.

Course Registration

Each year school counselors meet with students individually and in small groups to review Career Pathways, available courses and provide assistance with making their selections. Students are encouraged to discuss their selections with their parent or guardian. All course selections must be finalized with the student's school counselor to ensure all state and local requirements for graduation are being met and to give students the best counsel to help them reach post-secondary, career and/or higher education goals. The availability of courses is based on minimum student enrollment, and 1st choice electives are not guaranteed.

Transfer Students

New students entering East Syracuse Minoa High School must register at the Central Registration office located in the main office at the High School. Once registration is completed and the Counseling Office receives records from the previous school, a meeting will be scheduled with the student's counselor to discuss/create their schedule.

Career Pathways

Career Pathways are clusters of careers that share common interests, skills and strengths. Each Pathway outlines the courses that will help you explore and develop the tools necessary for each career cluster. Since there are many roads to success you are not locked into one Pathway. If you change your mind you can explore another Pathway. Please visit the Counseling Office website for more information.

Dual Enrollment Courses

Courses described offer the possibility of earning college credit while earning high school credit. Colleges have different rules for accepting credit earned this way. Students should consult with their college of choice to verify they accept such credits.

Advanced Placement Program (AP)

AP allows students to prepare for advanced status upon entering college by registering for high school courses that prepare them for taking the AP examination while earning high school credit. Students will need to perform at the college freshman level. The awarding of college credit depends on the student's score on the examination and the requirements of the college the student plans to attend.

Service and Information

Honor Roll

Honor Roll will be determined at the end of each marking period. All 9th -12th grade students are eligible to earn one of two (2) honor roll distinctions.

89.5-100 High Honor Roll
84.5 - 89.49 Honor Roll

Students who have failed a course or have an incomplete will not be noted on these lists.

National Honor Society (NHS)

The NHS was founded in 1921 and is one of the oldest and most prestigious national organizations for high school students. It recognizes and encourages academic excellence while developing other characteristics essential to the continuation of democracy and the goal of making the world and/or our school a better place. ESM's chapter is called John F. Kennedy. *Please see the ESM Student Handbook for the enrollment/selection process, responsibilities, etc.*

NCAA Eligibility Requirements

After your junior year register for the NCAA Clearinghouse. Go to <https://web3.ncaa.org> to download the guide for the college-bound student athlete. *Students who are planning on pursuing athletic at the college level are responsible for notifying their coaches and counselors as early as possible.

Dropping/Adding Courses

All course selections must be finalized with the student's school counselor to ensure all state and local requirements for graduation are being met and to give students the best counsel to help them reach post-secondary career and/or higher education goals.

A course may be added in the FIRST FIFTEEN (15) days of the semester.

Students having difficulty in a course can get extra help after school on a regular basis and also may arrange to meet with teachers before school or during study halls.

In order to DROP certain courses, a student must:

- Request the proper form from his/her school counselor.
- This form must be completed and approved by the appropriate teacher, the student's parent/guardian, the school counselor, and the school principal. In some cases a parent conference may be required.
- The student is responsible for returning all books, equipment, and material(s) to the teacher if approved to drop the course.
- School counselors are required to notify a student's potential college(s) when a student drops a course senior year.

A one semester course must be dropped within the FIRST FIFTEEN (15) days of the first marking period of that semester, and a full year course must be dropped by the end of the first marking period.

Syracuse University Project Advance (SUPA)

Syracuse University Project Advance is an educational program that provides high school students with the opportunity to take Syracuse University courses in their own schools during the regularly scheduled school day. There is a tuition cost for enrollment in SUPA courses which varies with the college credits associated with the course.

Gaining Credit After Course Failure

Students who fail a high school course in English, Science, Social Studies, Math, Languages other than English, or Physical Education must successfully complete the course through credit recovery, an authorized summer school or take the same course the following year. Parent conference may be required.

Independent Study

Independent study provides students with an opportunity to pursue an approved course of study not offered in the regular program.

- Registration is limited to juniors and seniors.
- The maximum credit allowed is 0.50 unit per proposal, per semester.
- Credit for independent study is for elective courses only and cannot be used as a substitute for established requirements in the standard program.
- Students will be limited to a minimum of two (2) Carnegie units of independent study in any one academic area.
- Independent study proposals must be made and approved within three (3) weeks of the beginning of the semester in which the independent study will be completed.

Career and Technical Education Endorsements (CTE)

Career and Technical Education Endorsements (CTE)

CTE Programs of Study contain a related and continuous series of courses in a career and technical area. Academic and technical knowledge and skills within each of these programs prepare students for further education and/or employment. The programs are supported by work-based experiences, integrated instruction, a nationally recognized assessment and data on student performance in academic and technical areas. Students enrolled in a CTE program, who successfully complete all requirements, will earn a technical endorsement which will be noted on their high school diploma. Students who want to enroll in a CTE program should inform their counselor to ensure proper scheduling is set up.

CTE Program	Affiliated CTE Courses	HS Units/ College Credits	College Affiliation	Assessment
Automotive Technology	Career and Financial Management (Integrated) Auto Technology Applications ATC103 Automotive Fundamentals	4.5 units/ 4 credits	SUNY OCC	Automotive Service
Carpentry	Career and Financial Management (Integrated) Construction Technology 1 Construction Technology 2	4.5 units minimum- 6.5 units maximum/ 6 credits	SUNY College of Technology at Delhi	Precision Carpentry
Communication and Media Studies	Career and Financial Management Multi-Camera Studio Productions SUNY OCC Introduction to Mass Media (EMC101) TV News 1A/1B, 4A/4B	4.5 units/ 3 credits	SUNY OCC	Precision
Cosmetology	Career and Financial Management (Integrated) Cosmetology 1 Cosmetology 2	6.5 units/up to 6 credits	Bryant and Stratton College	New York State Licensing
Culinary Arts	Career and Financial Management (Integrated) Culinary Arts 1 Culinary Arts 2	6.5 units/ 3 credits	Culinary Institute of America	National Certification of Achievement and Qualters Practical Assessment (ProStart)
Early Childhood Education	Career and Financial Management (Integrated) School-Age Psychology SUNY OCC EDU 156/157/185 GETP SUNY OCC EDU 182: Child Growth & Dev. EDU 180 Early Childhood Education: An Introduction	5.5 units minimum- 7 units maximum/ 3 credits 9 College credits	SUNY OCC	Precision
Finance	Career and Financial Management Banking and Finance Principles of Accounting 1 OR SUPA Accounting Spreadsheet Management SUNY OCC BUS 101 Introduction to Business	3.5 units/ 3 credits	SUNY OCC and Syracuse University	National Occupational Competency Testing Institute (NOCTI) Business Financial Management Test

Earning the New York State Seal of Biliteracy

- A.** Students wishing to receive the New York State (NYS) Seal of Biliteracy must complete all requirements for graduating with a NYS Regents diploma*; and
- B.** In addition to the above minimum requirement, students wishing to receive a NYS Seal of Biliteracy must earn three (3) points in each of the two (2) areas listed below:

<i>Criteria for Demonstrating Proficiency in English</i>	<i>Point Value</i>
Score 75 or higher on the NYS Comprehensive English Regents Examination or score 80, or higher on the NYS Regents Examination in English Language Arts (Common Core)* or English Language Learners (ELLs) score 75 or above on two Regents exams other than English, without translation.	1
ELLs score at the Commanding level on two modalities on the New York State English as a Second Language Achievement Test (NYSESLAT).	1
Complete all 11th and 12th grade ELA courses with an average of 85 or higher or a comparable score using another scoring system set by the district and approved by the Commissioner.	1
Achieve the following scores on the examinations listed below: -3 or higher on an Advanced Placement (AP) English Language or English Literature examination, or -80 or higher on the Test of English as a Foreign Language (TOEFL).	1
Present a culminating project, scholarly essay or portfolio that meets the criteria for speaking, listening, reading, and writing established by the district's Seal of Biliteracy Committee to a panel of reviewers with proficiency in English.	2

<i>Criteria for Demonstrating Proficiency in a World Language</i>	<i>Point Value</i>
Complete a Checkpoint C level World Language course, with a grade of 85 or higher, or a comparable score using another scoring system set by the district and approved by the Commissioner, for both the coursework and final examination consistent with Checkpoint C standards.	1
Provide transcripts from a school in a foreign country showing at least three years of instruction in the student's home/native language in Grade 8 or beyond, with an equivalent grade average of B or higher.	1
For students enrolled in a bilingual education program, complete all required Home Language Arts (HLA) coursework and the district HLA exam with an 85 or higher, or a comparable score using another scoring system set by the district and approved by the Commissioner.	1
Score at a proficient level on an accredited Checkpoint C World Language assessment (See "Checkpoint C World Language Assessments and Minimum Scores" on the following page.)	1
Present a culminating project, scholarly essay, or portfolio that meets the criteria for speaking, listening, reading, and writing established by the district's Seal of Biliteracy Committee and that is aligned to the NYS Checkpoint C Learning Standards to a panel of reviewers with proficiency in the target language.	2

Testing accommodations recommended in an individualized education program or section 504 Accommodations Plan must be provided for all State and districtwide assessments administered to students with disabilities, as consistent with State policy. Students with disabilities should also receive these testing accommodations on Checkpoint C World Language Assessments, as permitted.

* Students in schools with an alternate pathway for graduation approved by the Commissioner will be held to those schools' criteria.

Earning the New York State Seal of Biliteracy

Checkpoint C World Language Assessments and Minimum Scores

(based on ACTFL Intermediate High standards)

Completing one or one group of these examinations will yield one point towards the three total points necessary on the criteria point system for demonstrating world language proficiency.

<u>ASSESSMENT</u>	<u>MIN. SCORE</u>
AP – Advanced Placement Examination	4
IB – International Baccalaureate	5
STAMP4S – Standard Based Measurement of Proficiency	6
DELE – (Diplomas of Spanish as a Foreign Language) – through Cervantes Institute of NYC	B1
AAPPL – The ACTFL Assessment of Performance toward Proficiency in Languages	I-5

OPI – The ACTFL Oral Proficiency Interview	Intermediate High
OPIc – The ACTFL Oral Proficiency Interview by Computer	In this section, students should take exams in as many modalities (speaking, listening, reading and writing) as available to qualify for Checkpoint C credit.
WPT/BWT – The ACTFL Writing Proficiency Test/Business Writing Test RPT – The ACTFL Reading Proficiency Test	
LPT – The ACTFL Listening Proficiency Test	

ALIRA – The ACTFL Latin Interpretive Reading Assessment	I-4
SLPI: ASL – American Sign Language Proficiency Interview I-4 Intermediate Plus	Intermediate Plus

NOTE: Some exams do not give results until after June. Students and advisors may need to plan accordingly.

http://www.nysed.gov/common/nysed/files/criteria_for_nyssb.pdf

Seal of Civic Readiness

New York State Education Department's Seal of Civic Readiness

The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. The Seal of Civic Readiness distinction on a high school transcript and diploma:

- shows the student's understanding of a commitment to participatory government; civic responsibility and civic values;
- demonstrates to universities, colleges, and future employers that the student has completed an action project in civics or social justice; and
- recognizes the value of civic engagement and scholarship.

Criteria for the Seal of Civic Readiness

In order to obtain the Seal of Civic Readiness, a student must complete all requirements for a New York State local or Regents diploma and earn a total of six points with at least two points in Civic Knowledge and at least two points in Civic Participation. Students may also earn points by completing a middle school Capstone project or a high school Capstone project.

Civic Knowledge	Pts.	Civic Participation	Pts.
4 credits of social studies	1	High School Civics Project (limit two times during gr. 9-12)	1.5
Mastery level on Social Studies Regents Exam	1.5*	Service-Learning Project (minimum 25 hours) and reflective civic learning essay/presentation/product	1*
Proficiency level on Social Studies Regents Exam	1*	Earned credit in an elective course that promotes civic engagement	.5*
Advanced social studies course(s)	.5*	Middle School Capstone Project (Gr. 7 and 8 are only eligible for this point)	1
Research Project	1	Extra-curricular participation or work-based learning experience (minimum 40 hours) and an essay/presentation/product	.5*
		Civics Capstone Project	4

**Students may receive these points more than once.*

Testing accommodations recommended in an individualized education program or section 504 Accommodations Plan must be provided for all State and districtwide assessments administered to students with disabilities, as consistent with State policy. * Students in schools with an alternate pathway for graduation approved by the Commissioner will be held to those schools' criteria.

Application Process and Guidance

The application to offer the Seal of Civic Readiness +1 Civics Pathway is now available for all districts and schools in the SED Monitoring and Vendor Performance System located within the Application Business Portal. Schools that wish to offer this pathway for the 2022-2023 school year must complete this initial application by August 1, 2022. Schools will be notified of their status on a rolling basis.

Graduation Requirements

Required Courses

Regents Diploma

Regents Diploma with Advanced Designation

English	4 credits	4 credits
Social Studies	4 credits	4 credits
Math ²	3 credits	3 credits
Science ^{2 and 3}	3 credits	3 credits
World Language ¹	1 credit	3 credits
Art/Music	1 credit	1 credit
Health	½ credit	½ credit
Physical Education	2 credits	2 credits
Electives	3.5 credits	1.5 credits
Total	22 credits	22 credits

Required Regents Exams (passing score of 65 and above)

Regents Diploma	Regents Diploma with Advanced Designation
1 English Language Arts Exam	1 English Language Arts Exam
1 Math Exam	3 Math Exams (Algebra 1, Geometry, Algebra II)
1 Social Studies Exams	1 Social Studies Exams
1 Science Exam (Earth Science, Living Environment, Chemistry or Physics)	2 Science Exams (1 life science and 1 physical science)
1 additional NYS approved exam/assessment which can include core subject areas and various pathways assessments.	A passing grade on a local LOTE exam after the third year of study is required. Students may substitute 5 units of business, technology, art or music for the 3-unit LOTE requirement. See your counselor for details.

¹Successfully completing 2 units of study and passing a locally developed test that is aligned to the Checkpoint A Learning Standards prior to Grade 9 (8 NYCRR §100.2[d][5])

²Passing a year-long Grade 8 accelerated program of study and passing a locally developed test that is aligned to the Checkpoint A Learning Standards (8 NYCRR §100.4[d][1-2])

³Demonstrated mastery of learning outcomes as set forth in a New York State developed or locally developed syllabus for a given high school course of study in a LOTE after a student has had the opportunity to complete a unit of study in Grades 9-12 (8 NYCRR §100.1[b])

⁴An integrated course in mathematics/science/technology may be used as the third required credit in either mathematics or science when the course is taught by a certified STEM teacher and it meets the commencement level of NYS standards for Math, Science and Technology.

⁵Must pass one course from the Physical Setting (physical science) and one course from the Living Environment (life science). The third may be from either life sciences or physical science.

⁶Must complete the arts, business, family and consumer science, LOTE or technology requirements for this diploma.

Art

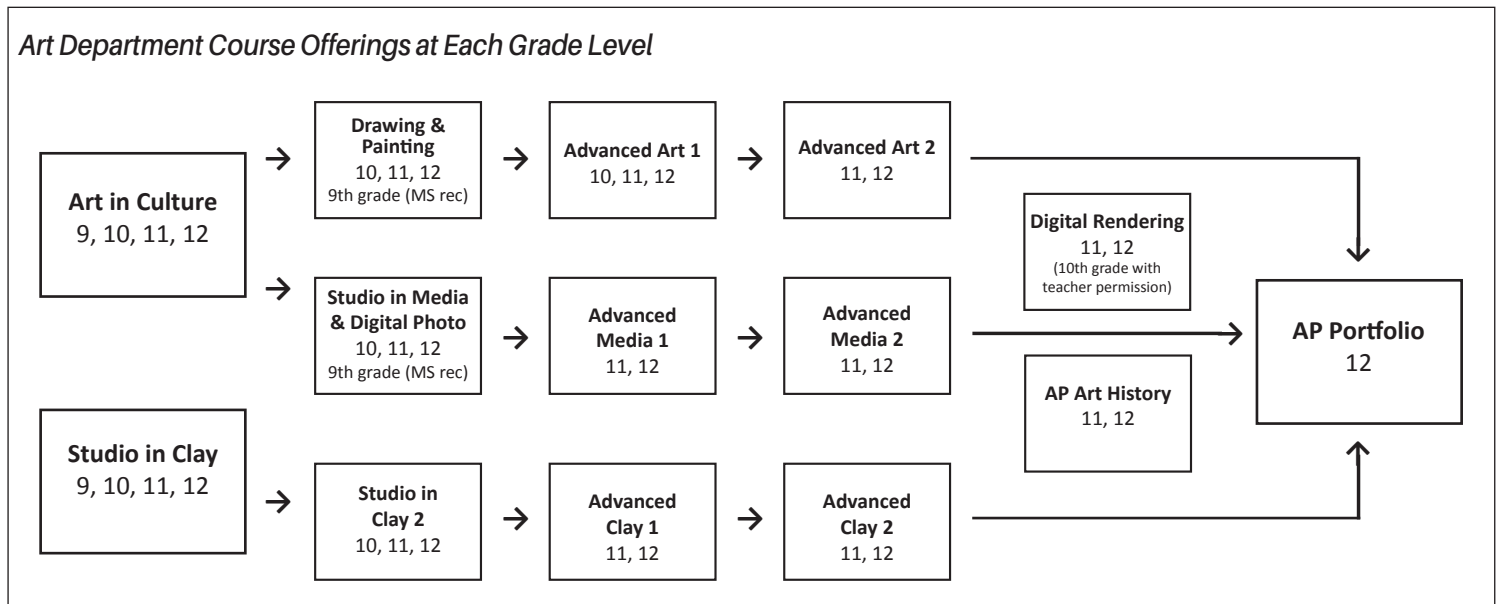
The ESM Art Department offers a variety of courses grouped in three major disciplines: 2-D Design, Drawing and 3-D Design. These categories provide students with three different ways to meet the requirements for Regents credit in Art while developing specialized skills in the areas of graphic design, fine art or ceramics. Five-year sequence students are encouraged to develop a portfolio for the college art program admissions process.

All of the Art Department courses listed fulfill the New York State requirement in the Arts.

TO RECEIVE A 5-UNIT ART SEQUENCE, A STUDENT MUST: Take 5 courses that display progression in the arts (no more than 2 studio classes) culminating in an advanced level course.

Art Department Disciplines

2-D DESIGN	DRAWING	3-D DESIGN
Studio in Digital Photography (1 credit) Advanced Media Arts (1 credit) Digital Rendering (1/2 credit)	Drawing and Painting (1 credit) Advanced Art 1 (1 credit) Advance Art 2 (1 credit) Portfolio Preparation with AP option (1/2 or 1 credit)	Studio in Clay 1 (1 credit) Studio in Clay 2 (1 credit) Advanced Studio in Clay 1 (1 credit) Advanced Studio in Clay 2 (1 credit)



MS= Middle School

Art

Studio in Clay 1

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course is designed for the beginner as an introduction to the field of ceramics as art. The course focuses on skills and techniques of ceramics, including hand building and using the potter's wheel. Projects are based on techniques as well as the elements and principles of design. Final assessment will be a portfolio of work created throughout the year. *This course fulfills the graduation requirement in the Arts.*

Studio in Clay 2

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Studio in Clay 1, permission from the instructor

This course is designed for the intermediate clay student who has mastered the basic skills and techniques of Studio in Clay 1. Final assessment will be a portfolio of work created throughout the year. *A \$20 studio lab fee is required.*

Advanced Studio in Clay 1

Credit: 1 unit

Grade: 11, 12

Prerequisites: Studio in Clay 2, permission from the instructor

This is an advanced high school course that enhances basic skills and focuses on ideas and content in 3-D art. Students work in both functional and sculptural ceramics and are encouraged to develop their own ideas through required and independent coursework. This course is for students who excelled in Studio in Clay 2. Final assessment will be a portfolio of work created throughout the year. *A \$20 studio lab fee is required.*

Advanced Studio in Clay 2

Credit: 1 unit

Grade: 12

Prerequisites: Successful completion of Advanced Studio in Clay 1, permission of instructor

This course is for the student who has successfully completed Studio in Clay 1, Studio in Clay 2 and Advanced Studio in Clay 1. Students will complete a 3-dimensional portfolio for CNY Scholastic Competition, college and/or AP. Final assessment will be a portfolio of work created throughout the year. *A \$20 studio lab fee is required.*

Art in Culture

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

From movies and cartoons to cars and sneakers, our favorite cell phone apps to stage designs for world famous musicians, take a look at how art influences our daily lives and what goes into inspiring an entire society. Students will be able to both learn about and gain hands on experience in the ways in which our surroundings enhance our everyday lives. *This course will fulfill the graduation requirement for the Arts.*

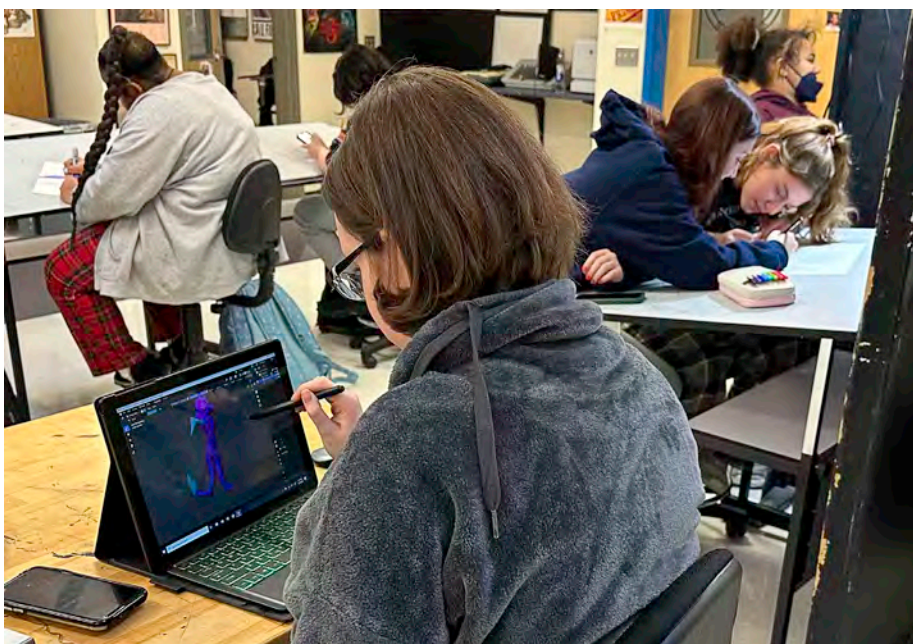
AP Art History

Credit: 1 Unit

Grade: 11, 12

Prerequisite: Art in Culture or Studio in Art

This course fulfills the 5-unit art sequence for art majors and provides students with an Advanced Placement option in Art History. It follows a chronological format with emphasis on the cultural significance of western and non-western art traditions in architecture, sculpture and painting from cave to contemporary art. Final assessment will be a teacher developed final exam or the AP exam will serve as the final assessment, dependent on the AP option. Passing the comprehensive final in May is required for sequence credit. The awarding of college credit depends upon the student's score on the AP examination and the requirements of the college the student chooses to attend. *There is a cost associated with the AP exam. This course fulfills the graduation requirement in the Arts.*



Art

Studio in Media Arts/ Studio in Digital Photography

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Art in Culture or Teacher Recommendation only for 9th graders.

This course elective is designed to provide students with a working knowledge of the elements and principles of Graphic Design and how they can be learned through the computer art medium. Students will use tools, learned skills and techniques in the creation and understanding of artwork. Students will be introduced to Graphic Design and digital photography through the use of drawing, painting, and image editing software (Adobe Creative Suite software). The skills and techniques of Digital Imaging are essential in creating photographic compositions, which are taught using digital cameras/scanners, computers as a Digital Darkroom, industry-standard software and photographic printers. Students will learn how to use available technology to download, develop, and manipulate photographs, exploring Adobe Photoshop's image-editing capabilities. A variety of subject matter and assignments will be explored. Students will have access to digital cameras, but also use their own. Final assessment will be a portfolio of work created throughout the year. *This course fulfills the graduation requirement in the Arts.*

Drawing and Painting

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: Studio in Art, Art in Culture or recommendation by eighth grade Art teacher

Drawing and Painting is a course designed to enhance skills acquired in Art in Culture as well as to explore new areas. The course is important for the serious art student. Students will learn about the art process and focus on the development of their artistic skills while learning a variety of art techniques. Some of the materials that will be utilized include graphite, charcoal, pastel, colored pencils, acrylic paint, watercolor, and oil paint. Final assessment will be a portfolio of work created throughout the year.

Advanced Art 1

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Drawing and Painting

Advanced Art 1 is for students who have completed Drawing and Painting and want more in-depth training in art media and techniques, which are mastered by way of complex design and drawing problems. Students will be involved in ongoing evaluation of their artistic strengths and weaknesses and focus on projects to strengthen their skills in order to develop a comprehensive portfolio. Emphasis is given to the development of art skills and their relationship to careers. Final assessment will be a portfolio of work created throughout the year.

Advanced Art 2

Credit: 1 unit

Grade: 11, 12

Prerequisites: Advanced Art 1

This course is for students who have completed Advanced Art 1 or have the recommendation of the teacher. It continues the development of individual student strengths while addressing any weaknesses in the emerging portfolio. Students will begin work on a concentration for AP Studio Art and gain additional skills in artistic literacy through art criticism, art history connections and the professional presentation of one's work. This course is the first year of the 2-year portfolio preparation for college, career, scholarship and AP consideration. Final assessment will be a portfolio of work created throughout the year.

AP Portfolio Preparation

Credit: 1/2 or 1 unit

Grade: 11, 12

Prerequisites: Art Teacher Recommendation

Each student prepares a professional quality portfolio, suitable for either a job interview or a college application. Included are examples of drawing, figure drawing, painting, and media arts. Students learn to properly display their work and select their best pieces. This course is for the serious student of art; self-direction is important. Students choosing to take the course for one unit of credit also have the option to continue for an additional semester in preparation for the AP Studio in Art examination in May. Final assessment will be a portfolio of work created throughout the year to be evaluated by the instructor and/or the AP exam will serve as the final assessment, dependent on the AP option. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. *There is a cost associated with the AP exam.*

Art

Digital Rendering

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Preferred Studio in Media Arts/ Studio in Digital Photography, Teacher

Recommendation

This is an advanced level course for students who have taken Media in Arts and/or Drawing and Painting and desire to learn more about digital drawing, painting, digital sculpting, character design and 3D printing, animation and motion graphics.

Advanced Media Arts

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: Successful completion of Studio in Media Arts/ Studio in Digital Photo

This full year course is a continuation of the Media Arts/Digital Photography program focusing on the application of skills and techniques needed to create professional artwork, communicate ideas, concepts and messages used in the industry. Students will be given an opportunity to work on “real world” job assignments provided by school and community needs. Graphic Design, Digital Illustration, Advanced Digital Photography and Publication Design will be explored through Adobe Creative Suite Software. Students will also develop an understanding of how technology has changed graphic design history and the careers that utilize graphic design. Final assessment will be a portfolio of work created throughout the year.

Advanced Media Arts 2

Credit: 1 unit

Grade: 11, 12

Prerequisite: Advanced Media Arts 1

Advanced Media Arts 2 is an opportunity for the serious and independent student who looks to gain experience in graphic design, digital photography and motion graphics through independent exploration as well as guided learning experiences. Students will have the chance to express their individual voice and passions as a digital artist through a variety of media. Final assessment will be a portfolio of work created throughout the year.

Introduction to Theatre

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

The purpose of this course is to increase understanding, appreciation, and critical perceptions of the theatrical event. This course will introduce the basic elements of the theatrical experience; including the history of theatre, play analysis and interpretation, performance critiques of live productions, role-playing and backstage activity. This course requires active student participation, input, and a willingness to explore individual theatrical interests. The final exam is based on the New York State Arts Assessment as it relates to the Core Standards. *This course fulfills the graduation requirement in the Arts.*

Business, Finance and Information Technology

Business and Information Technology - Concentrations of Study

Accounting and Finance

Accounting
Finance

Business and Marketing

Business Management and Administration
Finance
Entrepreneurship
Marketing

Information Technology

Game Design
Microsoft Certification
Web Design

Career Exploration Areas and Courses

Principles of Accounting
SUPA Accounting
Student Activity Accounting
Business/Criminal Law
Business Communications
SUNY OCC BUS 101: Introduction to Business
Business Ownership
Career Exploration Internship Program
Career and Financial Management
Principles of Marketing
Banking and Finance
Principles of Business Mgt.:
Ownership
Retail
Banking and Finance Supervisor
Banking and Finance Manager
Retail Management I
Retail Management II
Spreadsheet Management

Principles of Accounting
SUPA Accounting
Student Activity Accounting
SUNY Business/Criminal Law
Business Communications
SUNY OCC BUS 101: Introduction to Business
Business Ownership
Career Exploration Internship Program
Career and Financial Management
Web Design
Principles of Marketing
Banking and Finance
Principles of Business Management:
Ownership
Retail
Banking and Finance Supervisor
Banking and Finance Manager
Retail Management I
Retail Management II
Sports and Entertainment Management I
Sports and Entertainment Management II
Spreadsheet Management

IT Essentials
Game Design
Business Communications
Career Exploration Internship
SUNY OCC Bus 101:
Introduction to Business
Spreadsheet Management
Web Design

Post-Secondary Preparation: Activities, Certifications, College Credits, Work-Based Learning, Internships

Accounting Club
DECA
Field Work / Internship
Microsoft Certification
Spartan Branch Board
Work-Based Learning
College Credit Options:
SUPA/SUNY Coursework

DECA Travel, Competition
Field Work / Internship
Microsoft Certification
Sports and Entertainment Club
Work-Based Learning
College Credit Options:
SUPA/SUNY Coursework

Field Work / Internship
Microsoft Certification
Work-Based Learning
College Credit Options:
SUPA/SUNY Coursework

Selective Course/Activities Recommendations

Advanced Math Courses
Math League

Creative Writing / Journalism
Digital Photography
Media Arts
Public Speaking
Science Olympiad
Mock Trial
Yearbook
RxeSearch

AP Computer Programming
Digital Photography
Media Arts
Yearbook

Business, Finance and Information Technology

Business, Finance and Information Technology is a broad and diverse discipline that prepares students for entry-level employment and/or post-secondary education in business, marketing and computer occupations. The sequences in Business and Information Technology provide a variety of ways for students to meet graduation requirements while developing transferable skills and specialized competencies. Student leadership development programs such as DECA, an association of marketing students, are an integral part of the Business and Information Technology program. To receive a 5-unit concentration, a student must take:

- Career and Financial Management (1/2 credit)
AND
- Additional credits from Business and Information Technology for a minimum of five (5 credits)

Principles of Accounting 1

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: None

Are you serious about Business? Want to be able to do basic bookkeeping for your personal finances? This course is an introduction to accounting—the system of recording and auditing business transactions. Students will learn the accounting cycle and its application to sound accounting practices. The class covers classifying and recording original business transactions, closing entries and completing the accounting cycle, adjusting erroneous entries, compiling accounting data into meaningful financial statements, and the vital role ethics play in the accounting field. This course is a must for ESM Business students, students who will study business in college, anyone who wants to be able to keep books for their personal finances or small business, and for students interested in the accounting field.

SUPA Accounting (Syracuse University Project Advance, ACC 151) (4 credits)

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: None

Do you want to learn the Language of Business? Would you like to earn 4 Syracuse University credits while completing high school credits? Accounting is one of the few professions with consistently high job placement rates. SUPA Accounting is a fully accredited college course that will introduce students to Financial Accounting concepts that entrepreneurs, managers, investors, and creditors use in planning, operating and analyzing a business. An emphasis is placed upon the interpretation of financial statements. Concepts are presented at a college level pace. *There is a tuition cost for enrollment in SUPA courses.*

Student Activity Accounting 1

Credit: 1 unit

Grade: 11, 12

Prerequisite: Teacher recommendation

Student Activity Accounting is a hands-on *independent study* course providing students the opportunity to gain real world business, finance and accounting experience through handling and safeguarding club and activity funds. Students assist the school's Central Treasurer and they will handle money, prepare deposits and check disbursements for over sixty clubs and activities. They update and maintain the Student Activity Fund, learn cash control, policy and procedures for safeguarding the student activity funds, record keeping and cash receipts, and disbursements. Students will also help treasurers learn the procedures of student accounts and answer questions when possible. This hands-on course will provide experiential learning and offer real world applicable skills which will look excellent on your resume!

Business, Finance and Information Technology

Business Communications

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

Achieve a globally recognized computer certification. Microsoft Office Specialist, in Microsoft Word 2019. In this course you will prepare for Microsoft Office Specialist (MOS) 2019 Certification. Learn the skills companies are looking for, boost your workforce resume by obtaining a certification, heighten how much money you can make, and differentiate yourself from other applicants! This resume and college application enhancement is great for your future. You will learn career skills as well as write personal business letters, collaborate with documents, advanced formatting, and more! *There is a cost to the certification exam of approximately \$90.*

SUNY OCC BUS 101 Introduction to Business (3 credits)

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: Teacher recommendation

An introductory course designed to give the student an overview of the impact of business on society. The course is intended to aid the student in obtaining a clear understanding of the way in which contemporary business functions through the interrelationships of management, marketing and finance.

Business and Criminal Law

Credit: 1 unit

Grade: 11, 12

Prerequisite: None

This course defines business law in the broadest possible context. It is whatever laws we all need to know throughout our lives. It includes ethics, how the court system works (including Renounced Criminal and Civil cases), all aspects of Criminal Law (including debates and in-depth study on famous criminal cases and current topics, criminal psychology, and breakdown of all criminal acts), civil Law (Torts), contracts, computer law, The Uniform Commercial Code, bankruptcy, and much more.

Business Ownership (DECA)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Principles of Marketing or Teacher recommendation

This course is an introduction to the concepts of management, which includes influencing people to help accomplish the common goals of an organization or business. Emphasis will involve activities that include strategic planning, organizational structure and design, managing decision making, human resources, motivating team performance, collaborating in groups and teams, successful communication in organizations, and utilizing leadership skills that involve the effective use of a company's diverse resources. *Membership in DECA is required.*

Career Exploration Internship Program (CEIP)

Credit: 1/2 unit

Grade: 11, 12

Prerequisite: None

The Career Exploration and Internship Program (CEIP) provides juniors and seniors with career preparation and a chance to explore a career path of interest. CEIP consists of an individualized internship that is developed to fit a student's career interest. Students are required to complete at least 54 hours at the internship and 27 hours of classroom time. Students write resumes and learn interview tips, etc. Interns are also responsible to show PRIDE at the work site by following the code of conduct, maintaining attendance and dressing appropriately. Whether students end up moving forward in their chosen career paths or not, all students learn many transferable skills for the future.

Career and Financial Management

Credit: 1/2 unit

Grade: 9,10,11,12

Prerequisite: None

This course is designed to provide students with information and experience that will help them analyze their aptitudes, set realistic goals and make intelligent career choices. In addition, this course emphasizes economic decisions related to financial management. Students will study a range of financial alternatives and explore basic decisions necessary to become informed employees, consumers and citizens. Topics include; writing resumes and cover letters, developing interviewing skills, banking, budgeting, savings, credit, taxes, investing, purchasing, and insurance. Students will develop financial literacy skills that will enable them to become financially responsible individuals.

Business, Finance and Information Technology

Cyber Security

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

This course is designed to introduce students to different topics in Cyber Security. Students will engage with a variety of topics including (but not limited to): data mining, information security, risk management, and others. Students will gain real-life experience while working both collaboratively and individually.

Game Design

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

Get into the game! Our game design class will introduce students to the basics of game design. Students will create and test their own games, discover game career opportunities, and collaborate with team members on a daily basis. No prior experience or prior programming experience is necessary.

IT Essentials (Cisco)

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: None

Learn to build a computer from the help of others with essential skills in technology and problem solving that will help your future! This course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and the responsibilities of an IT professional. Students who complete the course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot. Expanded topics include Linux, Microsoft Windows operating systems, security, introduction to networking, and troubleshooting. Hands-on lab activities are an essential element of the course. Teamwork is a vital component to success in this course!

Principles of Marketing

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: None

Gain the skills necessary to make your purchasing decisions and to succeed in getting the job of your dreams. This class is designed to prepare you with an understanding of a career in marketing and business fields. You will have the opportunity to work with our community on real applied projects centered on basic marketing functions (promotion, buying, selling, research, management, etc.). Membership in DECA as a co-curricular activity is strongly advised.

Banking and Finance

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: Teacher recommendation

The Banking and Finance course emphasizes the role of financial instruments, financial markets and financial institutions, as well as the function of the Federal Reserve System, in the management of money in today's economy. Topics also include Savings, Investments, Stock Markets, proper use of Credit, and Consumer Protection. The class provides the opportunity to intern as a customer services teller at the CORE Spartan Branch, a student run branch of the CORE Federal Credit Union at ESM High School.

Principles of Business Management - Ownership

Credit: 1 unit

Grade: 11, 12

Prerequisite: Business Ownership

This course advances concepts of management taught in Business Ownership. Students will enhance and master college level business and entrepreneur skills. The course allows students to develop professional skills that will make them more successful in life and/or in their continued education in a project based hands on format.

Principles of Business Management - Retail

Credit: 1 unit

Grade: 11, 12

Prerequisite: Retail Management 1 and Teacher recommendation

This course allows students working at the Spartan Mart the ability to be promoted to manager. Supervisor, product ordering, inventory controls, and scheduling are necessary management skills that students will be exposed to in this course.

Principles of Business Management - Banking and Finance Supervisor

Credit: 1 unit

Grade: 11, 12

Prerequisites: Banking and Finance and Teacher recommendation

If you are interested in Finance and Banking Management this class allows for exceptional Banking and Finance Students to supervise, schedule, assist, and teach their peers in a supervisory role.

Business, Finance and Information Technology

Principles of Business Management - Banking and Finance Manager

Credit: 1 unit

Grade: 11, 12

Prerequisites: Recommendation of Supervisor of Credit Union and Teacher recommendation

Spartan Branch Managers will oversee the entire Spartan Branch Program. Students are responsible for management, advertising, restructuring and developing the Spartan Branch employees and supervisors.

Retail Management I

Credit: 1/2 unit

Grade: 11, 12

Prerequisite: Teacher recommendation

This course introduces students to retail in an actual school store environment as employees of the Spartan Mart. Skills acquired include cash register, stock, inventory, customer service.

Retail Management II

Credit: 1/2 unit

Grade: 11, 12

Prerequisites: Retail Management 1 and Teacher recommendation

This course explores the retail industry from the viewpoint of both the business and the consumer. The students learn how to create dynamic displays and retailing prepares students for a future as an employee, manager, or entrepreneur in the field of retailing. Students will demonstrate critical-thinking skills using decision making models, case studies, various technologies and business scenarios.

Sport and Entertainment Management I

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

Interested in the sports and entertainment industries? This is the class for you! The business of sport and entertainment has become a dynamic growth industry with an annual valuation of over \$400 billion in the United States. Sports and entertainment are big business in our current society. If you aspire to combine a passion for sports and entertainment with a well-developed understanding of business, then sports and entertainment management is ideal for you. The prime focus of sports and entertainment management is to develop a fundamental knowledge of business concepts that are taught through the sports and entertainment industry. Projects with local professional sports teams will provide real life experiences in management, marketing, advertising, and sales.

Sport and Entertainment Management II

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: Sport and Entertainment Management I

Do you dream of representing the next great sports superstar? Do you want to run a major music festival or sporting event? Would you like a future career in the business world of sports and entertainment management? If so, this course is for you. You will learn about the history of sports and entertainment and its importance and role in our society today. The basic principles of management will be taught through this course: management strategies, human resources management, leadership, financial management, marketing and public relations, with emphasis on event management, customer relations, sales management, and managing change. Career opportunities and development in today's growing sports and entertainment

field will be explored. Sports and entertainment management is a growing sector in the global economy and the opportunity for success is limited only by your imagination.

Spreadsheet Management

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

This course is for everyone! In here you will learn Microsoft Excel 2019 and its applications. You will develop and design professional spreadsheets as well as prepare for Microsoft Office Specialist (MOS) 2019 Certification that is globally recognized. This resume and college application enhancement is great for your future. You will learn to control and manipulate budgets, prepare for savings and retirement, administer and graph surveys and more! *There is a cost to the certification exam of approximately \$90.*

Web Design

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

Have fun designing websites by coding using html, CSS, and Javas Script programming languages. Learn the dos and dont's of web page design by evaluating existing web pages. Let your creative side show with the designing software Photoshop. Combine your coding and design skills to create professional websites. You will leave this course with the ability to code and design a website.

Career and Technical Education

Career and Technical Education/Technology

From the Career and Technical Education course choices listed on the following pages to a total or minimum of five (5) units. The concentration choices are in the following areas:

- Automotive Technology*
- Early Childhood Education*
- Construction Technology*
- Cosmetology*
- Culinary Arts*
- Pre-Engineering
- Communications

** Career and Financial Management is integrated into the CTE Program Curriculum*

**Students may receive Math, Science and/or English credits in programs that have approved integration from the state.*

Technology Education

To receive a 5-unit sequence, a student must take:

- Career and Financial Management (integrated or 1/2 unit) AND
- One unit in Foundation
- One system course
- Plus sufficient additional units

Foundation choices include:

- Design and Drawing for Production/Intro to Engineering Design (PLTW) (1 unit)
- Electricity/Electronics (1/2 unit)

Systems Choices include:

- Production Systems (1/2 unit)
- Residential Systems (1/2 unit)
- Introduction to Aviation and Aerospace (1 unit)
- Aviation and Aerospace 2 (1 unit)

Plus three additional units from the Technology course choices listed on the following pages to total a minimum of five (5) units, plus sufficient additional units.

To receive a CTE certification on your diploma you must complete the following:

1. Career and Financial Management (integrated in some programs)
2. Industry Assessment (written practical and project)
3. Employability Profile
4. Internship/work experience

Attendance is required to obtain full credit

Career and Technical Education

Child Development and Psychology

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course is recommended for students entering the Early Childhood Education Program. Topics covered are pregnancy, fetal development, the birth process, preventing birth defects, and caring for a newborn. Parenting skills, teen pregnancy, and child abuse are discussed. The physical, emotional, social, and intellectual development from birth to age three is emphasized. Students will create hands-on projects/toys for infants and young children, observe and interact with guest babies and preschool children. There will be a comprehensive final exam.

School-Age Psychology

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course is recommended for students entering the Early Childhood Education Program. This course provides an in-depth study of children from age four through adolescence. All areas of development of the school-age child are explored. Topics of study include: psychological theories, current issues as well as intellectual, physical, social, emotional, and moral development. Strategies and skills for working with this age group are discussed and applied to prepare students for the future work with children. There will be a final project.

First Year of Early Childhood Program Includes the courses listed below:

SUNY OCC EDU 156/157/185: GETP

Credit: 1.5 units

College Credits: 3

Grade: 10, 11, 12

This course offered in the Fall

This half year course focuses on developmentally appropriate, evidence based approaches and positive guidance strategies for supporting the development of each child. An emphasis will be on supportive interactions and environments. The impact of family, culture, language and ability will also be explored. The process of designing developmentally appropriate learning environments for young children will also be explored. Students will spend mornings assisting in one of the ESM Elementary Schools.

SUNY OCC EDU 182: Child Growth and Development

Credit: 2 units

College Credits: 3

Grade: 10, 11, 12

Prerequisite: SUNY OCC EDU 156/157/185

This course offered in the Spring

This is a specialized half-year course in child development which studies the emotional, social, cognitive and physical development from the prenatal period to pre-adolescence. Students will use observation and assessment techniques to build an understanding of growth and development. Multiple influences on child development and learning, including the sociocultural context of development, will be explored. Students will spend mornings assisting in one of the ESM Elementary Schools. There will be a final exam and portfolio.

Second Year of Early Childhood Program Includes the course listed below:

SUNY OCC EDU 180: Early Childhood Education: An Introduction

Credit: 3 units

College Credits: 3

Grade: 12

Prerequisites: SUNY OCC EDU

156/157/185, SUNY OCC EDU 182

This course is designed to introduce prospective early childhood (Birth-2) and childhood (1-6) education teachers to the historical, philosophical and cultural approaches to the study of early childhood education. Students will examine current issues and challenges and begin development of their professional education skills and beliefs. A field component will be required. Students will spend mornings assisting in one of the Park Hill classrooms. *Students can receive 3 credits at OCC for Early Childhood Education: An Introduction (EDU 180) through successful completion of this course.

Career and Technical Education

Residential Systems

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This class is useful to anyone who may someday build, remodel, restore, or add an addition to their home. This class is also highly recommended for students interested in the ESM Construction program and/or a career in the building trades. Topics include framing, sheetrock repair, electricity, blueprints, and building codes.

Production Systems

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

The Production Systems class is designed to give students hands-on experience in designing, researching, developing, and producing a range of possible products in a woodworking laboratory environment. Safety and desirable work practices are stressed throughout the course. This class is useful to anyone interested in the manufacturing industries, and especially useful for anyone considering carpentry.

Introduction to Electricity and Electronics

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course has a strict limit of 16 students per class.

This is an introductory course in the areas of AC and DC electricity. Students receive a foundation in electrical principles, circuitry and components. Additional topics include equipment use, bread boarding, multi-meter use and the students will build four types of circuits. This course gives students hands-on experience working with electrical schematics and circuitry. There will be a final exam.

Construction Technology 1

Credit: 2 or 3 units

(Based on student schedule)

Grade: 11, 12

Prerequisite: None

This course is for all juniors and seniors, male and female at ESM who may be interested in a career in construction or would like to improve their own home one day. Students build a real home in our school district every year. Along with the gratification of building a home with their own hands, the students learn the following: framing, roofing, installing windows and doors, siding, insulation, sheetrock, taping, trim work, cabinets, interior doors, hardwood flooring, tile, and painting, as well as other fundamentals like measurements, hand tools, power tools, safety equipment, estimating, lumber sizes, and more. The students also have the opportunity to gain a free 10 hour OSHA Safety Certification which is good for life. Students who enroll in the 3-credit option also receives a 1/2 credit in Career and Financial Management (CFM).

Construction Technology 2

Credit: 2 or 3 units

(Based on student schedule)

Grade: 12

Prerequisite: Construction Technology 1

This course is a continuation of the Construction Technology 1 curriculum. Second year students will take on more responsibilities that include leadership roles and are expected to handle more important jobs with more independence while completing those jobs in a safe and timely manner. Students will be assessed with the Precision test for Carpentry.

Articulation agreements: (final grade of 80 or better) Students must have at least 5 credits from Construction to earn a CTE endorsement on the diploma and also gain college credit from SUNY Delhi.



Career and Technical Education

Introduction to Automotive Technology

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: None

This course is perfect for any student that owns or plans to own their own car. With a focus on preventative maintenance, course work includes: basic engine theory, the “how-to-guide” for buying a car, oil changes, transmission service, tire change and balancing, tune-ups, brakes, and interior/exterior maintenance. This class is a must for the first-time car buyer/owner that wants to have the skills to maintain their own car. There will be a final exam worth 25% of marking period 2. This course fulfills the requirement for advancement into Automotive Technology Fundamentals and Automotive Technology Applications.

SUNY OCC ATC 103 Automotive Technology Fundamentals

Credit: 4 units

Grade: 11, 12

This course has a strict limit of 15 students

This course provides a foundation for students entering the automotive service field. It prepares the student with shop and tool safety, basic automotive maintenance procedures and pre-delivery inspection procedures. The internal combustion engine and related components are introduced in the course. This course gives students the technical knowledge and skills necessary to enter the automotive service industry and is fifty percent hands-on experience. Students are exposed to live work, as well as troubleshooting laboratory vehicles with instructor-set faults. Topics include general information and maintenance, diesel and gasoline engine theory, engine performance, tune-up, emission controls, fuel system, electrical systems, drive train, suspension and steering, and brakes. Students help in the complete restoration of a classic car.

There will be a final exam worth 22.5% of marking period 4. This course is scheduled to meet one block every day. Students have the option to earn four (4) credits through OCC.

Automotive Technology Applications

Credit: 2 units

Grade: 12

Prerequisite: Automotive Technology Fundamentals.

This course has a strict limit of 15 students

This course affords students the opportunity for training in the high-tech areas of automotive computer electronics. In-depth theory, testing, and diagnostic procedures help students develop skills in the areas of computerized engine controls, electronic fuel delivery systems, emission controls, charging systems, and computerized chassis diagnostics. Students who complete this course gain the knowledge required to achieve a successful career in the highly competitive automotive industry. Students completely restore a classic or antique vehicle. The work includes engine and transmission rebuilding, interior refinishing, bodywork, repainting, electrical wiring, and troubleshooting. Students who complete this course have a solid foundation for a multitude of careers in the automotive mechanic and restoration fields. There will be a final exam. Students who enroll in Automotive Technology Applications also receive a 1/2 credit in Career and Financial Management.



Career and Technical Education

Introduction to Aviation and Aerospace

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course will introduce students to basic aircraft and unmanned aerial systems, structures and their major components, principles of flight and the fundamental physical law affecting flight. This course will also introduce the main systems found on larger and smaller airplanes and unmanned aerial systems.

Aviation & Aerospace 2

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: Introduction to Aviation is recommended

This course is foundational for both manned and unmanned aviation and will prepare students to take either of two Federal Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management and emergency procedures. Students will work on aerial robotic design challenges that will apply their knowledge and skills from Introduction to Aviation and other Engineering classes offered at ESM. *There is a fee associated with the exam.*

Cosmetology 1

Credit: 3 units

Grade: 11, 12

Prerequisite: None

This course has a strict limit of 16 students

Students are responsible for purchasing a student kit (approximately \$150).

A two-year program, Cosmetology is the enhancement of natural beauty by artificial means. This includes the use of cosmetics, facials, manicures, hair shaping and barbering, coloring, permanent waving and straightening, shampooing, and styling for men and women. To become a cosmetologist in New York State, the student must have 1,000 hours of instruction and pass the New York State licensing examination. Course content includes professional ethics and work attitudes, hygiene, bacteriology, sterilization and sanitation, conditioning and corrective hair treatment, manicures and pedicures, permanent waving, tinting and lightening, hairstyling and shaping, air waving and thermo curling, hair straightening and removal, facial and make-up, wig and wiglets, shop management, and curl reconstruction.

Cosmetology 2

Credit: 3 units

Grade: 12

Prerequisite: Cosmetology 1

This course is a continuation of the Cosmetology 1 curriculum

Culinary Arts 1

Credit: 3 units

Grade: 11, 12

This two-year program provides students with lifetime job skills through appropriate hands-on experiences and the theories necessary to establish themselves in the work place. The Culinary Arts 1 course consists of one unit of Theory (classroom instruction) and two units of lab (food preparation).

Culinary Arts 2

Credit: 3 units

Grade: 12

Prerequisite: Culinary Arts 1

The Culinary Arts 2 course consists of two units of lab (hands-on) experience at an advanced level. Articulation agreements are in place with several culinary schools across the country turning high school credits into college credits. The National Restaurant Association also acknowledges student work and can result in scholarship money for college. Students who enroll in Culinary Arts 2 also receive a 1/2 credit in Career and Financial Management.

Design and Drawing for Production/Intro to Engineering Design (DDP/IED)

Credit: 1 unit

Grade: 9, 10, 11, 12

NOTE: This course has a limit of 15 students

Prerequisite: None

This "Project Lead the Way" course is a foundation course in the field of engineering. Students use 3D solid modeling design software to help them document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communications methods, global and human impacts, engineering standards and technical documentation. *This course fulfills the graduation requirement in the Arts.*

Career and Technical Education

SUNY OCC MET 161 Engineering Drawing 1

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: Design and Drawing for Production or Design and Drawing for Production/Intro to Engineering Design (PLTW).

The first half of the course is devoted to mechanical drafting. Specific areas covered in this segment are orthographic projection, dimensioning techniques, fractional and decimal systems, and auxiliary and sectional views. The second half of the course focuses on residential architectural drafting. Students are familiarized with foundations and floor plans, architectural dimensioning techniques, elevations, 3-D representation of buildings, and structural sections. The number of credits awarded is based on class attendance.

Food and Nutrition

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

The core course content comprises units in proper kitchen procedures, meal management, food labeling, meal service, basic nutrition and fundamentals in baking and food preparation. Students also explore careers in food and nutrition fields. A serious desire to apply new techniques and develop team management skills is advisable. There will be a comprehensive final exam. This course is a prerequisite for a Culinary Arts sequence.

Multi-Camera Studio Productions

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This class has a maximum enrollment of 15 students

Come use a state of the art, High-Definition television studio to make high quality video productions. Use your creativity on the 27" iMacs to make news-stories or excel in front of the camera. This class will lay the foundation for your audio and video successes.

Movie Production and New Media

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This class has a maximum enrollment of 15 students

Learn how to make movies fit for YOUTUBE. Better yet, show off your creations at the CNY High School Film Festival run by ESM students. Your movie could be shown in a real movie theater. Students will watch and discuss short films as well as learn to light, and shoot movies.

SUNY OCC EMC 101 Introduction to Mass Media Communications (3 credits)

Credit: 1/2 unit

Grade: 11, 12

Prerequisite: Students must be or have been enrolled in an additional Communications Program class or by teacher recommendation.

This class has a maximum enrollment of 20 students

This course presents an overview of mass media as public communication and traces the histories and technological developments of print, film, radio, television, the Internet and emerging technologies. Topics covered include journalism, media management and business practices, advertising and commerce, social media, ethics, laws and regulations, and global media, with special emphasis on the role of mass media in culture and society.

Film History

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This class has a maximum enrollment of 20 students

"To infinity and beyond". This course looks at film history of the last 120 years through the lens of the 1990's. Students will learn the background of what went in to making the movie. Outside the class, the students will complete a project on a great movie of the 1990s.



Career and Technical Education

Television History

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This class has a maximum enrollment of 20 students

From I Love Lucy to Modern Family, you will see where television started and how it evolved. In this course we will watch classic television shows. You will learn how reality television took off and how news coverage changed with CNN. Outside of class, students will be required to watch television shows for comparison. A library card or Netflix will come in handy.

TV News 1 A & B

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

Students will learn how to use and properly care for all the TV production equipment. A focus will be on vocabulary used in the production of The Morning Show, as well as studio etiquette, standard industry practices, and collaboration. Learning to take direction, practicing skills, meeting deadlines and self-assessment are all emphasized. Students will choose between being on-air talent and production crew.

This course will focus on reflective leadership. Students will continue refining their leadership and technical skills, while self-assessing and reflecting through written reflections using technology to mentor others' leadership development. Students will continue to work on their air presence by working on their public speaking skills through various modes of presentation. Students in TV News 4B have an Integrated Public Speaking section included. A student must complete Career and Financial Management (CFM) to obtain the CTE certification.

TV News 2 A & B

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: TV News 1

Students will learn how to use and properly care for all the TV production equipment. A focus will be on vocabulary used in the production of The Morning Show, as well as studio etiquette, standard industry practices, and collaboration. Learning to take direction, practicing skills, meeting deadlines and self-assessment are all emphasized. Students will choose between being on-air talent and production crew.

TV News 3 A & B

Credit: 1/2 unit

Grade: 11, 12

Prerequisites: TV News 1, 2

Students will continue to develop and practice skills learned in TV News 1A and 1B, as well as learn the other side of production from their previous choice. It is expected students will act as mentors to students in TV News 1A and 1B.

TV News 4 A & B

Credit: 1/2 unit

Grade: 12

Prerequisites: TV News 1, 2, 3

Students will continue to develop and practice skills learned in TV News 1A and 1B, as well as learn the other side of production from their previous choice. It is expected students will act as mentors to students in TV News 1A and 1B.



Career and Technical Education at BOCES

Career & Technical Education (CTE) and New Vision classes at BOCES education campuses are designed for students who are on a college track or planning an immediate entry into the workforce. Students spend a half day at ESM and the other half of the day in the BOCES program. Availability of course offerings are subject to change based on BOCES enrollment criteria. BOCES programs are only available to Juniors and Seniors.

Courses offered:

- Automotive Collision Technology
- Health Occupations
- Laboratory Technology
- Physical Therapy
- Welding
- Heavy Equipment Repair, Operation & Diesel Technology

BOCES Year 2 classes meet in the morning from 8:45 am to 11:30 am, Year 1 classes meet in the afternoon from 12:15 pm to 3:00 pm. Transportation is provided.

OCM BOCES welcomes visits from parents of students who are interested in this type of program. A maximum of three (3) units of credit are granted for Career and Technical classes at BOCES each year.



BOCES New Visions Program

BOCES offers a daily 5-unit program for seniors interested in the fields listed below. Students in the “New Visions” program are awarded 5 units of credit upon successful completion of the courses. English and Social Studies courses are taken on location as part of the program. Students fulfill the physical education requirement at the high school.

Courses offered:

- Medical Professions
- Criminal Justice Professions
- Engineering Professions



English

The high school English Department has identified the following skills as necessary for all who graduate from ESM. With these skills in mind, we have redesigned the curriculum in several of our course offerings using current best practices to ensure that all students have the instruction and support needed to master each one by the end of 12th grade.

We are also working to build additional access points to higher-level courses in compliance with NYS Department of Education commitment to equitable course enrollment. We will prepare students:

- to read widely, broadly, and deeply, including works of literature and non-fiction
- to communicate ideas effectively in writing and speech
- to be media literate and media responsible
- to synthesize comments, claims, and evidence made on all sides of an issue in order to respond thoughtfully to divergent perspectives
- to persevere when reading increasingly complex texts in order to adapt to college or career expectations

How Rigor is Recognized

Students who challenge themselves by taking rigorous courses will benefit from knowing that more rigorous courses are weighted to balance GPAs for class ranking purposes. Honors 9 and 10 are weighted an extra 5% and Capstone, OCC 103/104, and OCC Public Speaking are weighted an extra 10%.

** Current prerequisites use multiple measures (test grades, course averages, and teacher recommendations) and are essential to student success.*

Sample Pathways

There are a variety of opportunities for students that provide multiple access points to courses and the necessary rigor for success in future college and career pathways. The examples below are some of the possible sequences for students. Please note: Some pathways require specific prerequisites.

	focus	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
#1 core	Keeps all options open for those navigating barriers to their success in English Language Arts	English 9	English 10 English 10H with recommendation	English 11 English 11 with recommendation	English 12 401 College Prep Capstone Public Speaking with Eng 12 400
electives available		Yearbook TV News	Public Speaking Yearbook TV News Creative Writing	Public Speaking Yearbook TV News Creative Writing	Public Speaking Yearbook TV News
#2 core	Spartan Academy	English 9 English 9H	English 10 English 10H OCC Public Speaking	English 11 Capstone (if from 10H)	OCC 103 & 104 Capstone
electives available		Yearbook	Yearbook TV News Creative Writing	Yearbook TV News Creative Writing	Yearbook TV News

continued next page

English

	focus	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
#3 core	Career and Technical Education	English 9	English 10	English 11	Public Speaking with English 12 400 or English 12 401 or Capstone
electives available		Yearbook TV News	Yearbook TV News Public Speaking Creative Writing	Yearbook TV News Public Speaking Creative Writing	Yearbook TV News
#4 core	Honors	English 9H	English 10H	Capstone	OCC 103 & 104
electives available		Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News Creative Writing OCC Public Speaking
#5 core	Communications, Media, and Journalism	English 9 English 9H	English 10 English 10H	English 11 Capstone (if from 10H)	College Prep Capstone OCC 103 & 104 (if from Capstone)
electives available		Yearbook TV News	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News
#6 core	Wants creative expression Needs social-emotionally supportive learning environments	English 9 English 9H	English 10 English 10H	English 11 Capstone (if from 10H)	English 12 *incorporates creative writing, independent reading, and other elements in a class less rigorous than College Prep and 103/104 Capstone *individualized *focused/calm classroom
electives recommended		Yearbook	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News Creative Writing OCC Public Speaking	Yearbook TV News OCC Public Speaking

English

English 9

Credit: 1 unit

Grade: 9

Prerequisite: Successful completion of English 8

This course introduces students to high school research, writing, and the study of literature building skills learned in grades 6-8. The year is divided into two semesters with the first semester focusing on integrating The Seven Habits of Successful Teens into our daily academic practices, vocabulary development, and literary analysis. In their study, students will read and interpret a broad range of literature, including poetry, short stories, novels, and Shakespeare. The second semester focuses on continued vocabulary development, media literacy, and research skills. This course includes both a mid-term exam and a final project.

English 9 Honors

Credit: 1 unit

Grade: 9

Prerequisite: Screening process

The English 9 Honors program is a rigorous course of study involving intensive reading and writing with a focus on making a successful transition to high school while developing the skills needed to be a balanced student. Critical thinking skills and evidenced-based writing are emphasized. Students will study a range of interesting, complex texts and ideas to give a platform of understanding of their relationships to the world through literature, nonfiction, and an intense study of research skills and methods, culminating in a major research project. This course includes both a mid-term exam and a final project.

English 10

Credit: 1 unit

Grade: 10

Prerequisite: Successful completion of English 9

This course builds on the high school-level research, reading, writing, and thinking skills from English 9. Students will develop their ability to analyze and interpret literature and develop an understanding of the relationship between literature and history, with particular emphasis on the concept of justice. Additionally, students will refine their media literacy skills and further develop their vocabularies.

English 10 Honors

Credit: 1 unit

Grade: 10

Prerequisite: Successful completion of English 9H or successful completion of English 9 with a teacher recommendation

This course is a year-long study in analyzing and interpreting literature and other text types identified by what people read, watch, and experience. Students will learn about rhetorical appeal, human motivation theory, literary terminology, and gaming terminology. Creative class endeavors include the study and creation of table-top games as the application and synthesis of classroom content. Students will learn about intellectual property, design, production and marketing of games while being introduced to top design and production talent from around the world. It is more than possible for students to market the games they create in class. Students will examine games through the lens of literary, historical, and other rhetorical contexts to bring a creative vision to life.

English 11

Credit: 1 unit

Grade: 11

Prerequisite: Successful completion of English 10

This course requires students to build upon the research and argumentative writing skills they developed in English 9 and English 10. These skills include, but are not limited to, developing and writing research questions, formatting papers in APA style, composing arguable thesis statements, including parenthetically-cited direct quotes and paraphrasing in their writing to develop ideas, and recognizing and utilizing the recursive nature of the writing process. Furthermore, students will build upon the literary analysis skills developed in English 9 and English 10 by reading and interpreting a broad range of literature including poetry, short stories, and novels, in addition to writing text analysis responses. Vocabulary development is primarily advanced through morphological analysis. This class prepares students to take the New York State Regents Exam in English Language Arts which is required for graduation.

The Capstone Experience

Credit: 1 unit

Grade: 11, 12

Prerequisite: Successful completion of English 10 H, English 11 and/or Teacher recommendation

The Capstone Experience is a full year course that allows students to choose and research a topic they find compelling and possibly relevant to their post-high school plans. After completing an early unit on writing and revising their personal statements for college admission essays, students begin the recursive process of researching and refining a path of inquiry which will result in writing a research paper. The second half of this course focuses on each student's Capstone Project which will showcase their abilities in critical thinking, problem solving, implementation and organization, while expanding their research, reading, writing, and oral communication skills. The goal of this course is to stretch

English

the student in a new area of learning and growth, under the guidance of a mentor and the student's English teacher. Capstone Projects may take a variety of forms, but most are long-term, investigative, and culminate in a product, presentation, and/or performance. *With the successful completion of this course, students have the opportunity to earn three (3) SUNY Cortland college credits for a nominal tuition cost. Capstone* is appropriate for students who:

- a. are juniors who have successfully completed English 10 Honors
- b. are interested in taking a college course in a supportive HS environment
- c. would like to research and immerse themselves in a self-selected topic
- d. want to build a resume of college-level and professional "soft skills"
- e. are ready for "real world" experiences and connections in their field of interest

Yearbook 1

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

Students in this course are responsible for creating the school's yearbook. They will learn the basis of yearbooking including yearbook vocabulary, media literacy, and rules of journalism and photography. Students will learn how to take yearbook pictures, use yearbook software effectively, perform interviews, and write and edit stories. They will produce pages for the school yearbook. Students are required to fulfill obligations outside of the classroom in order to meet publishing deadlines including attending club meetings and school events. *This course does not qualify for the English 12 graduation requirement. Yearbook* is a highly engaging full-year course for students who are:

- a. self-motivated and a strong writers
- b. photographers
- c. graphic design/media arts students
- d. business and marketing students

Yearbook 2

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: Yearbook 1

Students in this course are responsible for creating the school's yearbook. They are responsible for writing stories and captions, completing yearbook spreads, editing pages and taking pictures. This is a more advanced course than Yearbook 1. It includes designing layouts, completing independently designed and completed pages, understanding and performing marketing strategies, and more advanced journalistic approaches. It also incorporates marketing strategies and public relations. Students in this course are required to fulfill obligations outside of the classroom in order to meet publishing deadlines including attending club meetings and school events. *This course does not qualify for the English 12 graduation requirement.*

Yearbook 3

Credit: 1 unit

Grade: 11, 12

Prerequisite: Yearbook 1, Yearbook 2

Students who meet the requirements for Yearbook 3 have learned the foundational skills of yearbooking. They are provided editorial permissions and are assigned sections of the book to organize, plan, develop, and oversee. Students in this class are required to complete yearbook spreads from inception to completion. They are responsible for Yearbook social media marketing and management and for learning the ethics of journalism. They must attend events outside of school and are responsible for organizing and running Yearbook Club meetings. Yearbook 3 students have successfully completed Yearbook 1 and Yearbook 2 and are committed to producing yearbooks that will meet deadlines and be competitive at the high school level. *This course does not qualify for the English 12 graduation requirement.*

Yearbook 4

Credit: 1 unit

Grade: 12

Prerequisite: Yearbook 1, Yearbook 2, Yearbook 3

Students in this class will have completed Yearbook 1, Yearbook 2, and Yearbook 3. They will have a sound understanding of student journalism and ethics, yearbook production, and photography and design. In Yearbook 4, students will put their leadership skills to the test as they assume the role of the editor of a large scale production. They are responsible for selecting a theme, designing pages consistent with the theme, managing a staff, assigning beats, keeping track of reporters and photographers, making final decisions about stories and photos and layout designs. This course requires students to meet strict deadlines, have strong writing and editing skills, and interact with others professionally. *Students in this class will be eligible to receive English 12 graduation credit.*

English

College Prep English

Credit: 1 unit

Grade: 12

Prerequisites: Successful completion of English 11, English Regents, and teacher recommendation

This course offers a rigorous curriculum in both literature and composition based on selections from English and American literature. Reading and writing intensive, College Prep English is designed specifically for the college-bound student. Students will write and revise their personal statements for their college admission essays. The curriculum concentrates on critical reading, analytical writing and revision and research skills needed for college-level work. **College Prep** is necessary for any student who:

- meets the 80+ Regents exam and course avg. prerequisites
- needs to develop academic reading, writing, and thinking skills
- has taken regular English 11, intends to pursue admission to a 4-year college, and is not taking Capstone.

English as a Second Language ELA (ENL ELA)

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: Screening and NYS assessment

The predominant focus of this course is to improve English language acquisition skills in listening and speaking, and content reading and writing skills within the academic setting. Additional strategies that build upon the students' current skills in English are introduced and implemented using approved methods for language acquisition. A New York State assessment is administered in May.

English 12 (half year)

Credit: 1/2 unit

Grade: 12

Prerequisite: Successful completion of English 11

This course builds on students' present level of mastery of NYSED ELA Learning Standards with a focus on vocabulary development, textual analysis, media literacy, and personal research for college, career, and a deeper understanding of self. English 12 culminates with a final comprehensive portfolio of varied pieces focusing on the student's future. **English 12 (400)** is a **half-year** course. This course focuses on developing career readiness through units such as:

- College/Career/Self-discovery
- Textual analysis of film and abbreviated texts
- Media Literacy and analysis
- Writing for practical purposes

English 12 (full year)

Credit: 1 unit

Grade: 12

Prerequisite: Successful completion of English 11

This course builds on students' present level of mastery of NYSED ELA Learning Standards with a focus on textual analysis, media literacy, and personal research for college, career, and a deeper understanding of self. In the second half of the course, students will reinforce their skills of analysis with film, graphic novels, and a variety of other texts. To culminate the course, students will complete a unit on storytelling and writing for multimedia platforms. **English 12 (401)** is not the same as past versions of English 12. This new full-year course is designed to develop the skills listed above along with skills **for career readiness** through units such as:

- College/Career/Self-discovery
- Textual analysis of full-length works (potentially YA novels and or graphic novels)
- Media Literacy and analysis
- Oral Communication
- Creative writing

Creative Writing

Credit: 1/2 unit

Prerequisite: None

Creative Writing is a rigorous elective open to sophomores, juniors, and seniors interested in developing their creative writing skills through daily writing and revision. Students in this course will be expected to write between eight and ten formal pieces culminating in thirty to thirty-five pages of written text by the end of the semester. Creative Writing is for students who are self-motivated writers and willing to engage in oral and written critiques of their own writing and the writing of their classmates.

Creative Writing is a **½ year course** for sophomores, juniors, and seniors with teacher recommendation who:

- want to develop creative writing skills
- are prepared to write between eight and ten formal pieces culminating in thirty to thirty-five pages of written text by the end of the semester.
- are self-motivated writers and willing to engage in oral and written critiques of their own writing and the writing of their classmates.

*** This course is not a traditional senior elective. Instead, it is for students sincerely interested in participating in a writing community with other like-minded and motivated students.

English

SUNY OCC ENG 103 Fresh./Comp. I (3 credits)

Credit: 1/2 unit

Grade: 12

Prerequisite: None

Emphasizing the recursive nature of writing and the process of revision, this course teaches students the skills and processes necessary for writing and revising college-level academic prose. Various aspects of writing, including invention/pre-writing, composing, revision, and editing/proofreading will be taught. Critical readings of various non-fiction texts may be used to develop understanding of rhetorical conventions and genres. Composing in and for electronic environments. **OCC 103/104** is appropriate for any student who:

- a. is prepared to manage an accelerated program with college-level reading and writing
- b. wants to earn three college credits

SUNY OCC ENG 104 Fresh./Comp. II (3 credits)

Credit: 1/2 unit

Grade: 12

Prerequisite: ENG 103

Teaches students to comprehend, respond to and use the ideas of others in their own writing. Skills such as analytic and critical reading and writing, summarizing, and paraphrasing are developed through the study of literature. Term paper form will also be taught. Students are eligible to sign up and take the AP English Literature and Composition Exam. **OCC 103/104** is appropriate for any student who:

- a. is prepared to manage an accelerated program with college-level reading and writing
- b. wants to earn six college credits

SUNY OCC COM 210 Public Speaking (3 credits)

Credit: 1/2 unit

Grade: 10, 11, 12

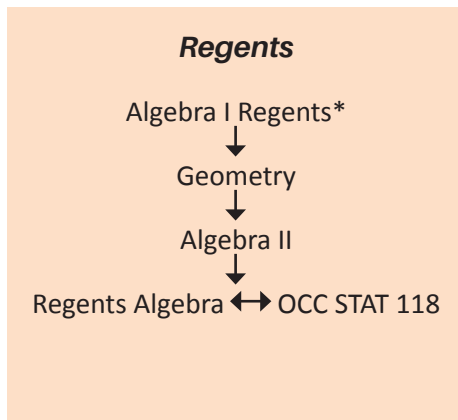
Prerequisite: None

Public Speaking is a course designed to acquaint the student with the basic theories and skills of public discourse. Course content includes the importance of audience analysis and adaptation, topic selection, organization, elements of delivery, and critical analysis of discourse. Word study, effective non-verbal skills and critical listening skills are also stressed. This course is a survey of oral communication; it includes reinforcement of the New York State standards and the basic skills: reading, writing, speaking and listening. Students prepare and deliver various types of speeches, learn to give and receive constructive feedback and analyze an array of great speeches throughout the semester.

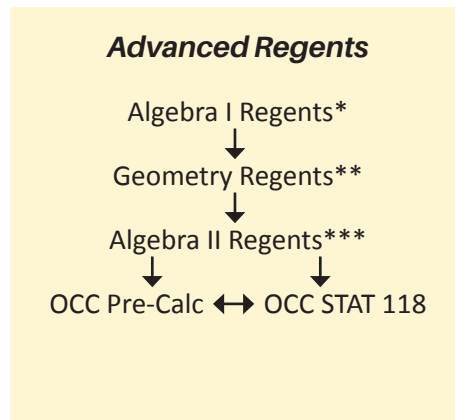


Mathematics

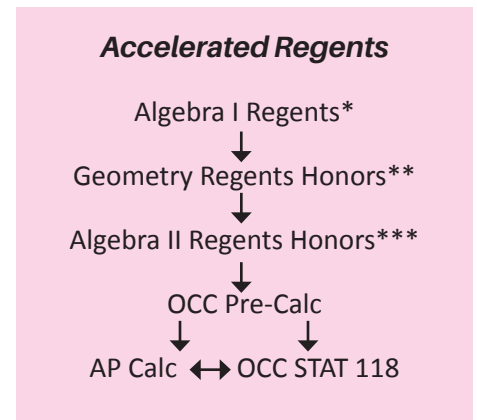
Sample Math Sequences - Combinations may vary



*** Algebra 1 Regents



** Geometry Regents



*Algebra 2 Regents

OCC STAT 118 students must have passed 11R class

OCC Pre-calculus students must have passed 11R with a 72 or better average

¹ Offered in 8th grade, accelerated path starting in 8th grade

Algebra Regents

Credit: 1 unit

Grade: 8*, 9

Prerequisite: None

The content of this course is governed by the syllabus provided by the State of New York and is aligned to Common Core State Standards. The focal point of the course is the algebra content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. Course topics include: Relationships between quantities and Reasoning with Equations, Linear and Exponential Relationships, Descriptive Statistics, Expressions and Equations, and Quadratic Functions and Modeling. This course will assist students in developing skills, techniques, and processes to successfully solve problems in various settings. The course prepares students for the Common Core Algebra 1 Regents exam. ***8th grade students are eligible to take this course for credit as an accelerated option with Math teacher recommendation, but they must maintain an 85+ average to remain in this course. A TI-84 graphing calculator is required for this course.**

Geometry Regents

Credit: 1 unit

Grade: 10

Prerequisite: Successful completion of Algebra I Regents

The content of this course is governed by the syllabus provided by the State of New York and is aligned to Common Core State Standards. The focal point of the course is the geometry content strand. Students will investigate geometric situations, justify geometric relationships, and study properties of geometric figures. Additional topics of study include: constructions, transformations, coordinate geometry, congruence and similarity of figures and trigonometry. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from other sciences. This class prepares the student for the Common Core Geometry Regents exam and is mandatory for the student wishing to attain a Regents Diploma with Advanced Designation. A TI-84 graphing calculator and a compass is required for this course.

Geometry Regents Honors

Credit: 1 unit

Grade: 9

Prerequisites: Successful completion of Algebra I Regents

The course follows the content of Math 10 with enrichment in additional topics. A TI-84 graphing calculator and a compass is required for this course.

Mathematics

Geometry

Credit: 1 unit

Grade: 10, 11

Prerequisite: Successful completion of Algebra I Regents

The focal point of this course is the geometry content strand. A selection of topics from the common core standards will be explored. Students will investigate geometric situations, justify geometric relationships, and study properties of geometric figures. Additional topics of study include: constructions, transformations, coordinate geometry, congruence and similarity of figures, and trigonometry. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from other sciences. The student will be exposed to more hands-on applications of the given geometric concepts during this course. Students will take a local final exam at the end of the year. This course is intended for the college bound student. This course and the next course, Algebra 2, provide students with skills needed for college.

Algebra II

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Geometry Regents or successful completion of Geometry and Algebra 1 Regents Exam.

The content of this course will cover concepts required for the Algebra 2 - Common Core Algebra Syllabus which is governed by the State of New York Common Core Standards. Building on their work with linear, quadratic and exponential functions, students extend their repertoire of functions to include polynomial, rational and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. *A TI-84 graphing calculator is required for this course.*

Algebra II Regents

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Algebra I Regents and Geometry Regents

The content of this course is governed by the State of New York and is aligned to Common Core State Standards. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of

logarithms. Additional topics include Sequence and Series, Probability and Statistics. This course prepares the student for the Common Core Algebra II Regents exam and is mandatory for the student wishing to attain a Regents Diploma with Advanced Designation. *A TI-84 graphing calculator is required for this course.*

Algebra II Regents Honors

Credit: 1 unit

Grade: 10

Prerequisites: Successful completion of Algebra I Regents and Geometry Regents

This course covers the content of the Algebra II Regents class with enrichment and additional topics. *A TI-84 graphing calculator is required for this course.*

SUNY OCC MAT 143 Pre-Calculus with Trigonometry (4 college credits)

Credit: 1 unit

Grade: 11*, 12

Prerequisite: Successful completion of Algebra II Regents

This course is designed to provide the necessary foundation for a standard calculus course. Topics include absolute value and quadratic inequalities, functions and their equations, exponential and logarithmic functions and their applications, right triangle trigonometry, law of sines and law of cosines, trigonometric functions (circular) and their inverses, trigonometric identities and equations, addition and multiple angle formulas, and binomial theorem. *A TI-84 graphing calculator is required for this course.* *For accelerated juniors. A grade of 70 is needed to earn college credit. *A TI-84 graphing calculator is required for this course.*



Mathematics

SUNY OCC MAT 118 Exploring Statistics (3 College credits)

Credit: 1 unit

Grade: 12

Prerequisites: Successful completion of two Regents level Math courses and one additional Math course

This is an introductory statistics course for non-STEM majors. Topics include: random sampling, graphical displays of data, measures of central tendency and dispersion, normal distribution, standard scores, confidence intervals, hypothesis testing. Student distribution two tables, probability, correlation and regression. A grade of 70 is needed to earn college credit. A *Ti-84 graphing calculator* is required for this course.

AP Calculus

Credit: 1 unit

Grade: 12

Prerequisite: Completion of Pre-Calculus

This course covers the syllabus provided for AP Calculus. It is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, trigonometry and analytical geometry. Topics covered are Differential Calculus and Integral Calculus. After the Advanced Placement exam in May, project work will be assigned. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. A *Ti-84 graphing calculator* is required for this course. *There is a cost associated with the AP exam.*

AP Statistics

Credit: 1 unit

Grade: 12

Prerequisite: Completion of SUNY OCC Pre-Calc

This course covers the syllabus provided for AP Statistics. Topics cover the descriptive and inferential aspects of statistics and include: frequency distribution, graphs, measures of central tendency and dispersion, linear correlation and regression, probability, probability distributions, binomial and normal distributions, introduction to sampling theory, estimation theory, and hypothesis testing. Computer software will be used. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. *There is a cost associated with the AP exam. A TI-84 graphing calculator is required for this course.*

Advanced Topics with Algebra 2

Credit: 1 unit

Grade: 11, 12

Prerequisites: At least two math credits and recommendation

This course will introduce students to advanced high school math topics that they have not previously studied. The course will be project/problem based and will investigate topics such as: probability, statistics, finance, problem-solving in the business world, sequence and series, real-world applications of trigonometry and geometry, graph theory, and game theory. Algebra topics will also be reviewed to prepare a student for an entry level college Algebra placement test.

AP Computer Science Principles (AP CSP)

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Algebra I and permission of instructor

AP Computer Science Principles (AP CSP) is a full-year rigorous course that introduces students to foundational concepts of computer science and explores the impact computing and technology have on our society. The course covers a broad range of foundational topics including: programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students are prepared for the AP CSP exam in May. *There is a cost associated with the AP exam.*

AP Computer Science A

Credit: 1 unit

Grade: 11, 12

Prerequisites: Computer Programming 1 and 2 and permission of instructor

AP Computer Science A is for students who are serious about programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. The course will prepare students for the end of course AP CSA exam. *There is a cost associated with the AP exam.*

Mathematics

Business Math

Credit: 1 unit
Grade: 11, 12

Students will have the opportunity to learn about the mathematics that need to be taken into account when owning and operating a business. These math concepts would be all applicable to the real world and not just a calculation based math class. Students would be introduced to business basics and financial mathematics. Students will also participate in a 10-12 week Project Based Learning experience during which students will be given the opportunity to create a business using these fundamentals. Students will be challenged to create their own business that will be successful in today's market. Students will kick-off the project by visiting local businesses. Students will then partake in a series of weekly mini-projects where they will write a basic business plan, analyze business expenses, create a logo & business card, record a video advertisement, then create a business presentation for which they can pitch in our very own version of "Shark Tank."

Computer Programming 1

Credit: 1/2 unit
Grade: 10, 11, 12
Prerequisites: Successful completion of Geometry Regents and teacher recommendation.

The 1/2 unit course is an introduction to computer programming using the C++ computer language. Topics include a history of computers and computer architecture, variables and constants, math operations, decision-making, if/else statements, loops, and functions. Students will take a final exam at the end of the semester. This course is highly recommended for students interested in careers in computer science, business, engineering or math.

Computer Programming 2

Credit: 1/2 unit
Grade: 10, 11, 12
Prerequisite: Computer Programming 1

This 1/2 unit course is a continuation of Computer Programming 1 using the C++ computer language. Topics include library functions, files, arrays, searching and sorting, structures, and pointers. Students will complete a comprehensive Final Project at the end of the semester. The course is highly recommended for students interested in careers in computer science, engineering, business or math.



Music

To receive a 5-unit sequence in Music, students must take Chorus and/or Band for 4 credits plus Music Theory 1 and Music Literature and Style.

Mixed Choir

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

All freshmen singers sing in the Mixed Choir. Members of this group perform at all ESM High School concerts. Students will learn how to develop their voices and their self-confidence. A variety of music is performed and students may try solos or competitions later in the school year. Students in this group can also audition for the musical or All-County Choir. *This course fulfills the graduation requirement in the Arts.*

Chorale

Credit: 1 unit

Grade: 10, 11, 12

Prerequisite: An audition may be required

Chorale is an advanced ensemble for students who are looking for a more rigorous music curriculum with greater academic and personal expectations. This group performs within the district and coordinates events. Students are expected to put in time outside of the classroom in order to meet course expectations. Students rehearse and perform various diverse genres of vocal literature, which allows students to acquire the skills, habits, and techniques necessary for successful musical performance and achievement. *This course fulfills the graduation requirement in the Arts.*

Music Theory I

Credit: 1/2 unit

Grade: 10, 11, 12

Prerequisite: Instructor's permission required if student is not in Band or Chorus

The objectives of this course are: To achieve a workable knowledge of the basic rules and principles of music, to train the ear to recognize sounds individually and in combinations, to improve the ability to read and perform music with sensitivity and accuracy, to learn the fundamentals of arranging and harmonizing, to study keys, clefs, staves, time signatures, rhythmic patterns, terms chords, melody and other music tools. *This course fulfills the graduation requirement in the Arts.*

AP Music Theory

Credit: 1 unit

Grade: 11, 12

Prerequisites: Music Theory 1 or permissions of the Instructor, with a suggested course of Music Literacy and Style

AP Music Theory is an intense, fast-paced and in-depth course that explores all aspects of the question, "Why does music work?" Students in this course will study analysis, composition, music history and aural skills as it applies to Western Art Music, including music of today. Through this study, students will be able to better recognize, understand and describe the intricacies of what is presented in a score, thus improving their own abilities to perform, listen to and appreciate music. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. *There is a cost associated with the AP exam.*

Concert Band

Credit: 1 unit

Grade: 9, 10

Prerequisite: Instrumental lessons

Concert Band is designed to give students the skills necessary to excel in the High School Concert Band. The demands for good musicianship, consistency of performance and musical excellence are constant. Students are expected to prepare for and attend one 30-minute lesson per week. Grading emphasis is placed on lesson attendance and preparedness, and positive contribution to the ensemble during rehearsal and performance. A wide variety of concert band literature will be performed and explored. Concert Band members are to be highly motivated and interested in acquiring the necessary skills, techniques and habits needed to become proficient on the instrument at an intermediate level. Concert Band helps to prepare students for future participation in the Wind Ensemble. *This course fulfills the graduation requirement in the Arts.*

Music

Wind Ensemble

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: The Wind Ensemble is a select group from which an audition may be required

The East Syracuse Minoa High School Concert Bands are the instrumental ensembles for which all other select Instrumental groups are chosen. Two sections are offered in the high school. Each band performs frequently, both in and out of the school district. The demands for good musicianship, consistency of performance and musical excellence are constant. Students are expected to attend 6 lessons per marking period. The grading emphasis is on lesson preparedness and contribution to the ensemble during rehearsal and performances. The Wind Ensemble performs a wide variety of musical literature, from symphonic transcriptions and concert marches to Broadway and pop tunes. Wind Ensemble members should be highly motivated and interested in acquiring necessary skills, techniques and habits required to become proficient on their instruments. *This course fulfills the graduation requirement in the Arts.*

Concert Band/Choir Combo

Credit: 1/2 unit for each course

Grade: 9, 10

Prerequisite: None

These courses are for students who wish to be in both band and choir. The same demands for good musicianship, consistency of performance and musical excellence are at an intermediate level. For additional information see individual course descriptions. *These two 1/2 year courses together fulfill the graduation requirement in the Arts.*

Wind Ensemble/Chorale Combo

Credit: 1/2 unit for each course

Grade: 9, 10, 11, 12

Prerequisite: None

These courses are for students in grades 9-12 who wish to be in both band and choir. The same demands for good musicianship, consistency of performance and musical excellence are at an advanced level. For additional information see individual course descriptions. *These two 1/2 year courses together fulfill the graduation requirement in the Arts.*



Physical Education

*“Each student shall gain the skills and knowledge to achieve a life-long healthy and physically active lifestyle.”
-East Syracuse Minoa Central Schools Physical Education Department Goal-*

Educational achievement is the primary concern in all public school systems. Physical Education works in conjunction with academics to achieve East Syracuse Minoa’s educational objectives. The development of an individual’s physical potential and his/her mental and social development remains the number one objective of our school district.

Recognizing this priority, the East Syracuse Minoa School District has established a unified Physical Education program designed to use theme-based activities and individual, team and lifetime sports as a vehicle for maximizing student growth.

All students are required to take and pass 2 credits of Physical Education in order to graduate. Students must actively participate in all classes and activities to earn a passing grade of 65 or higher.

Physical Education 9 and Physical Education 10

*Credit: 1/2 unit for each year
Grade: 9, 10
Required course for graduation*

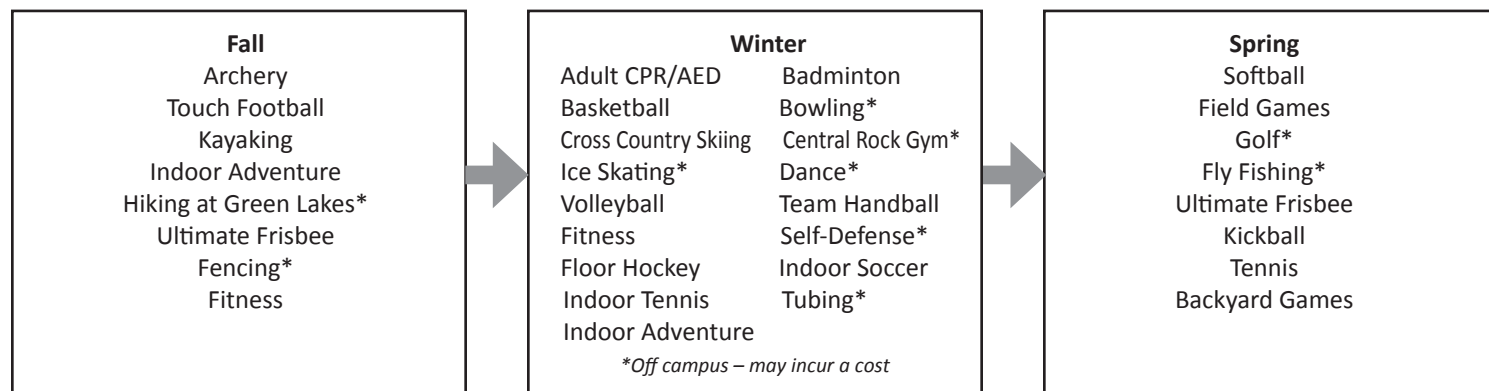
Freshmen and sophomores take a core group of team sports, individual sports, self-defense and dance. Physical Education 9/10 offers the following co-curricular activities:



Physical Education 11 and Physical Education 12

*Credit: 1/2 unit for each year
Grade: 11, 12
Required course for graduation*

Physical Education 11/12 is a co-ed elective-selective program. Choices always include a variety of team, individual, lifetime, outdoor and off-campus activities. Many new activities are introduced at this level. Physical Education 11/12 offers the following co-curricular activities:



Physical Education

Physical Education Excelled

Credit: 1/2 unit

Grade: 11, 12

Prerequisites: Grade 9 and 10 requirements in Physical Education must have been met. Candidates must have passed all four marking periods with a cumulative Physical Education GPA of 90% or higher the previous year and have a physical education teacher's recommendation

PE Excelled is an 11/12th grade elective class. It is designed for students who are passionate about being active in individual, team, and lifetime activities while enhancing the culture of thinking and learning. Many of the students that enroll in PE Excelled are interested in careers in physical and health sciences, education and/or athletics. Many of the students who enroll in PE Excelled go on to stay involved in the field of Physical Education, Health, Sciences or Dance after high school. Students are expected to maintain a high average to remain in the course.



Health

Health Education

Credit: 1/2 unit

Grade: 9, 10, 11, 12

Prerequisite: None

This course gives students the necessary knowledge, skills, and motivation to promote and protect their personal health. Students examine issues related to drug and alcohol use/abuse, vaping, mental health, nutrition, reproduction and sexually transmitted infections, problem solving, communication, decision making, and stress management. A variety of educational techniques are used to personalize the material and allow students to apply to their everyday lives. After completing this course, students are better prepared to develop a lifestyle that benefits their health. Final assessment: Department Final Exam. *This course is required for graduation.*

Science

Sample Science sequences - Combinations may vary

A	B	C
8th - 12th	9th - 12th	9th - 12th
Living Environment Regents Earth Science w/Symposium Chemistry Regents Physics - College Prep, SUPA SUPA Biology or Chemistry SUPA Forensic Science or Forensic Science SUNY ESF Global Environment RxeSEARCH Anatomy and Physiology	Earth Science Regents ↓ Living Environment Regents ↓ Physics - Regents, SUPA Regents Chemistry Forensic Science SUNY Global Environment Environmental Science ↓ SUPA Biology or Chemistry Regents SUPA Forensic Science or Forensic Science Anatomy and Physiology RxeSEARCH SUNY ESF: Special Topics in Research	Earth Science Regents ↓ Living Environment Regents ↓ Chemistry Foundations or Regents Environmental Science Forensic Science Anatomy & Physiology
Students in the accelerated path for science will take high school level Living Environment (Regents) in 8th grade and will therefore have the opportunity to take up to 5 years of science instead of 4 years.		
Passing a Science Regents exam is required for graduation.		

Earth Science Regents

Credit: 1 unit

Grade: 9

Prerequisite: None

This course encourages students to use scientific processes to investigate their surroundings. Extensive laboratory exercises use the students' life experiences and natural surroundings to help provide a better understanding of the planet Earth and its place in the universe. The course is organized into these areas: Astronomy, Geology, Meteorology, Geologic History, and Physical Oceanography. In the block schedule, the class meets 3 out of 4 times in each cycle, averaging about 6 hours in a five-day week. Earth Science is an initial course in science. Students are required to complete and pass a minimum number of lab activities prior to taking the Regents exam in June. As part of the Regents exam, students also take a lab performance test, covering major laboratory skills and activities, approximately two weeks prior to the written Regents exam. This performance test counts for approximately 15% of the total Regents score. Students must complete 1,200 minutes of lab experience and have satisfactory written lab reports on file for admission the Regents examination.

Science

Earth Science with Symposium

Credit: 1 unit

Grade: 9

Prerequisite: Successful completion of Living Environment Regents in 8th grade

Earth Science with Symposium is a rigorous course that covers the content and requirements of Earth Science (Geology, Meteorology and Astronomy) and engages students in a multi-month research project culminating in an Earth Science Symposium. Students develop skills in file management, database searches for scholarly articles, how to read scholarly publications for understanding, and also how to create different types of work products. Students are required to complete and pass a minimum number of lab activities prior to taking the Regents exam.

Living Environment Regents

Credit: 1 unit

Grade: 8*, 10, 11, 12

Prerequisite: Successful completion of Earth Science regents

Students study the interrelationships between organisms (plants, animals, microbes and humans), environment, biochemistry, modes of reproduction and development, genetic continuity, cellular structure and physiology, patterns of evolution and adaptation, and comparative animal and plant anatomy and physiology. Laboratory work is an integral part of each unit of study. Students must complete 1,200 minutes of lab experience and have satisfactory written lab reports on file for admission to the Regents examination.

*8th grade students are eligible to take this course for credit as an accelerated option with Science teacher recommendation. An 85+ average must be maintained to remain in this course. Students must complete 1,200 minutes of lab experience and have satisfactory written lab reports on file for admission to the Regents examination.

Chemistry Regents

Credit: 1 unit

Grade: 11, 12

Prerequisite: Currently taking Algebra II or Algebra II Regents and/or teacher recommendation—High-level math skills are recommended and successful completion of Living Environment Regents and Earth Science Regents

This course presents a modern view of chemistry that is designed for students who plan to pursue science, engineering or mathematics in college. High-level math skills are required. The units of study include: Elements and the Periodic Table, Compounds, Mathematics of Chemistry, Energy, Kinetics and Equilibrium, Acid-Base Theories, Redox and Electrochemistry, Organic Chemistry, and Applications of the Principles of Chemistry. Students must complete 1,200 minutes of lab experience and have satisfactory written lab reports on file for admission to the Regents examination.

Chemistry Foundations

Credit: 1 unit

Grade: 11, 12

Prerequisite: Successful completion of two years of high school science and math

This course focuses on the practical application of chemistry to the world around us. Basic mathematical skills are necessary. Students requiring a basic knowledge of chemistry for further studies in agriculture, photography, environmental science, or other professional training will benefit from this course. The course includes many hands-on labs. Topics include: Lab Analysis, Environmental Chemistry, Food Chemistry, Energetics, Atomic Structure, Elements, Bonding, Acids and Bases, Solution Chemistry, Organic Chemistry and Nuclear Chemistry.

Physics Regents

Credit: 1 unit

Grade: 11, 12

Prerequisite: Currently taking Algebra II or Algebra II Regents teacher recommendation—High-level math skills are recommended and successful completion of Living Environment Regents and Earth Science Regents

Physics is designed for the academically oriented student and introduces topics in classical mechanics, electricity and magnetism, waves and light. Proficiency in algebra and trigonometry is required. Students must complete 1,200 minutes of lab experience and have satisfactory lab reports on file for admission the Regents examination.

Forensic Science

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Living Environment Regents

Forensic Science is an introductory course. Students will apply their background knowledge from biology and chemistry to solving crimes. Topics will include, DNA, blood analysis, fingerprinting, hairs, fibers, glass, chemical analysis and crime scene processing. A comprehensive final exam will account for 20% of the final grade.

Science

SUPA CHE 113 Forensic Science (Syracuse University Project Advance) (4 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Living Environment Regents and College Prep Chemistry or teacher recommendation

This four (4) credit college course focuses on the application of scientific methods and techniques to crime and law. The course provides an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be presented, emphasizing techniques used in evaluating physical evidence. Topics include blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA drug chemistry and toxicology, fiber comparisons, paints, glass comparisons, finger-prints, soil chemistry, and arson investigations. The course has a laboratory component, which teaches techniques used in crime scene investigations. A comprehensive final exam will account for 20% of the final grade. *There is a tuition cost for enrollment in SUPA courses.*

RxeSEARCH - An Education Journey

Credit: 1/2 unit—outside of the school day; Oct - March

Grade: 11, 12

Prerequisites: Living Environment Regents, Chemistry Regents or at least a concurrent enrollment in Chemistry Regents

The RxeSEARCH curriculum takes students through the discovery, development and marketing of a pharmaceutical drug. A series of eleven lessons involving reading assignments and hands-on lab activities expose students to many facets of the pharmaceutical industry. The lessons involve biology, chemistry, general science, mathematics, language arts, ethics, social studies, business and marketing. This multidisciplinary approach is designed to engage and enlighten students. The experience will also introduce students to a wide variety of pharmaceutical career opportunities. Students will complete team final projects that will be presented at Bristol Myers-Squibb. *This is a Pass/Fail course.*

Environmental Science

Credit: 1 unit

Grade: 11, 12

Prerequisite: Successful completion of Living Environment Regents

This is an activity-based course involving studies of air, soil, streams, lakes and their interrelationships with living organisms. Topics covered include food web interactions, aquatic biology, forest biology, conservation of natural resources, wildlife populations, natural cycles, and air and water pollution. This course takes an interdisciplinary approach that includes photography, art, language arts, physical education, and computer skills.

SUPA PHY 101/102 Physics (Syracuse University Project Advance) (8 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Teacher Recommendation

This is the one-year introductory, non-calculus physics science. This algebra-based course includes a regularly scheduled lab and provides the necessary physics background for health professionals and others who need physics but are not required to take a calculus-based course. The course introduces topics in classical mechanics, electricity and magnetism, waves and light. Students may earn up to eight (8) college credits and/or exemption from college courses. *There is a tuition cost for enrollment in SUPA courses.*

SUPA CHE 106/107 & 116/117 Chemistry (Syracuse University Project Advance) (8 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Chemistry Regents, Living Environment Regents and Math Regents and recommendation of science faculty

Students will get a fascinating and fundamental grasp of the underpinnings of reality (as we currently understand them!) Student's will investigate forms of energy, atomic structure, quantum theory, periodic law, molecular geometry, properties of liquids and gases, and more and will learn the concepts necessary for continued study in chemistry, medicine, biology, engineering, and physics. In the lab course (CHE 107), students will learn how to handle chemicals and equipment safely and the correct procedures for manipulating and reporting data. SUPA final exams are given in January and June. *There is a tuition cost for enrollment in SUPA courses.*

Science

SUPA BIO 121/123/124 Biology (Syracuse University Project Advance) (8 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Living Environment Regents, Chemistry Regents and recommendation of science faculty

SUPA Biology is a college course for highly motivated students. It is equivalent to two semesters of Introductory College Biology. A summer assignment including text readings and study guides must be completed prior to the beginning of school. Topics will include cell physiology, biochemistry, taxonomy, evolution, ecology, reproduction and development, genetics, plant and animal anatomy and physiology. There will be a final exam for BIO121 in January and a separate final for BIO123-124 in June. The final exams will count for 20% of the final grade in each course. *There is a tuition cost for enrollment in SUPA Courses.*

SUNY-ESF: The Global Environment (EFB 120) (3 credits)

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Successful completion of Living Environment Regents and recommendation of science faculty. Concurrent or successful completion of Chemistry Regents

This is a three (3) credit college-level environmental science course designed to help students make informed decisions regarding the environment. Topics include pollution, deforestation, climate change, acid rain, soil depletion, economics, evolution, history, and social justice. The course stresses a science-based systems approach in evaluating problems and potential solutions as well as the critical role of energy in many of the environmental challenges facing the

world. An overnight field experience is required for course participants. Off-campus data collection/research may be required. *There is a tuition cost for enrollment in SUNY courses. An additional fee will be assessed to cover the field experience.*

SUNY-ESF: Special Topics in Research (1-3 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: SUNY ESF: The Global Environment (take this as 2nd part of course the next year)

This is a college level course and can earn 1-3 SUNY Credits depending on project work. Provides experimental, interdisciplinary, or special coursework at the junior and senior levels within the field of environmental resources. As part of the ESF in the high school program at East Syracuse Minoa High School this one to three credit course has coupled with the SUNY ESF Global Environment class. This allows the students to explore biomass energy technologies and work on a biomass research project with the Minoa Cleanwater Education Research Facility (CERF). At CERF the students do hands-on work to turn waste into energy. Students learn problem solving, project management, and time organization while collecting data and discussing results. One project was the anerobic digester and researching the use of compost pikes as a source of thermal energy. *There is a tuition cost for enrollment in SUNY courses.*

Anatomy and Physiology

Credit: 1 unit

Grade: 11, 12

Prerequisites: Living Environment Regents, Chemistry Regents and signed expectations contract

Anatomy and Physiology is intended for students who wish to pursue a career as a doctor, nurse, veterinarian, dentist, biologist, or pharmacist. These students will likely be required to take a college-level anatomy and physiology course in their freshman or sophomore year. Therefore, the purpose of the course is to introduce anatomy and physiology so they will be better prepared for the challenges of this rigorous coursework. It will focus on eleven systems of the body and include learning the names and functions of thousands of structures. The course requires a great deal of memorization. Coursework includes a combination of lectures, reading independent projects, laboratory experiences, and mink dissection. Exams will include identification of structures by lab practical, oral quizzes and written responses. Exams constitute a large part of each marking period grade. There is a comprehensive final exam worth 20% of the course average.



Social Studies

CORE REQUIREMENTS	OPTIONS AVAILABLE
<i>Global History and Geography 1</i> ➤	Global History and Geography 1 Global History and Geography 1 Honors
<i>Global History and Geography 2</i> ➤	Global History and Geography 2 Global History and Geography 2 Honors Advanced Placement World History
<i>US History and Government</i> ➤	US History and Government Advanced Placement U.S. History
<i>Economics</i> ➤	Economics Syracuse University Project Advance Economics AP US Government and Politics
<i>Government</i> ➤	Participation In Government/Law Studies Syracuse University Project Advance Public Studies AP US Government and Politics

* See prerequisites under course descriptions

ELECTIVE COURSES IN SOCIAL STUDIES	PREREQUISITES
<i>Psychology</i> ➤ <i>AP Psychology</i> ➤	Successful completion of Global History and Geography courses Global History and Geography 2
<i>Sociology</i> ➤	None
<i>Syracuse University Project Advance Sociology</i> ➤	Successful Completion of Global History and Geography courses U.S. History Regents Exam and Teacher Recommendation

Social Studies

Global History and Geography 1

Credit: 1 unit

Grade: 9

Prerequisite: None

This course, the first in a two-year sequence, follows a chronological format, emphasizing the development of human's political, economic, geographic and social institutions. European, African, Asian, and Latin American histories are studied through their cultural heritages, conflicting ideologies and ever-changing characters, from the formation of early civilization through the Age of Enlightenment.

Global History and Geography 1 Honors

Credit: 1 unit

Grade: 9

Prerequisites: Screening process and teacher recommendation

This course is designed for honor students in social studies and involves outside reading and development of critical thinking and writing skills. The first in a two-year sequence, it follows a chronological format, emphasizing the development of human's political, economic, geographic and social institutions. European, African and Asian histories are studied through their cultural heritages, conflicting ideologies and ever-changing characters, from the formation of early civilizations through the Age of Enlightenment.

Global History and Geography 2

Credit: 1 unit

Grade: 10

Prerequisite: Global History and Geography 1

This course focuses on the modern world after 1750. Events are studied through conflicting ideologies and ever-changing geopolitical patterns. Understanding of concepts associated with the modern world is reinforced through the application of various skills developed in previous social studies courses. *Passing the Global History and Geography Regents exam is required for graduation.*

Global History and Geography 2 Honors

Credit: 1 unit

Grade: 10

Prerequisites: Successful completion of Global History and Geography 1 Honors or teacher recommendation

This course is designed for honor students in social studies and involves projects as well as the development of critical thinking and writing skills. This course focuses on the modern world after 1750. Events are studied through conflicting ideologies and every-changing geopolitical patterns. Understanding of concepts associated with the modern world is reinforced through the application of various skills developed in previous social studies courses. *Passing Global History and Geography Regents exam is required for graduation.*

AP World History

Credit: 1 unit

Grade: 10

Prerequisites: Successful completion of Global History and Geography 1 Honors and/or teacher recommendation

This is a college-level course in World History. Students are required to work on an advanced level. Students will develop greater understanding of the evolution of global processes and interactions among different types of societies and regions. This understanding is advanced through historical thinking skills. The course begins with 1200 C.E. to present history. The skills necessary to be successful in AP World History require a strong knowledge of Global History and Geography 1 work ethic, and time management skills. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. Students take the AP exam in May. *Passing the Global History Regents exam is required for graduation. There is a cost associated with the AP exam.*

Social Studies

United States History and Government

Credit: 1 unit

Grade: 11

Prerequisite: Global History and Geography 2

This course follows a chronological format with emphasis on the development of political, social, technological and economic institutions within the American experience. *Passing the United States History and Government Regents exam is required for graduation.*

AP United States History

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Global History and Geography II and teacher recommendation

This is a college-level course in American History. Students are required to work on an advanced level. The course follows a chronological format with emphasis on the development of political, social, technological and economic institutions within the American experience. All students in the course take the Advanced Placement (AP) exam in May. The awarding of college credit depends upon the student's score on the examination and the requirements of the college the student chooses to attend. *Passing the United States History and Government Regents exam is required for graduation. There is a cost associated with the AP exam.*

AP United States Government and Politics

Credit: 1 unit

Grade: 12

Prerequisites: AP US History or US History and Government and teacher recommendation.

This is a college-level course designed to prepare active citizens to fully participate in our politics. A strong interest in reading and strong writing skills are necessary for success. Regular assessments are modeled after the AP Exam and will prepare students for the required AP exam in May. This course is grounded in the Constitution and will build skills that will give students an understanding of the ongoing experiment that is the American Republic. We will read several Federalist Papers to understand the principles at play in our government. With that understanding we will study a canon of major US Supreme Court cases. Students will be able to connect Constitutional principles to current relevant political, economic, and social issues and policies. Completing this course will fulfill the graduation requirements for both Participation in Government and Economics. There is a 5 hours community service requirement for all seniors and will be coordinated through this class. *There is a cost associated with the AP exam. The awarding of college credit depends on the student's score on the examination and the requirements of the college the student plans to attend.*

Economics

Credit: 1/2 unit

Grade: 12

Prerequisite: United States History and Government.

This one-semester course focuses on various micro-and macro-economic concepts and issues, including supply and demand, business organizations, markets, and the role of government in the economy. Attention is also given to investments and a variety of consumer issues. There is a five hour community service requirement for all seniors and is coordinated through this class. *Passing this course is required for graduation. There is a final exam worth 25% of the overall grade in this class.*



Social Studies

SUPA ECN 203 Economics (Syracuse University Project Advance) (3 credits)

Credit: 1/2 unit

Grade: 12

**Prerequisites: United States
History and Government and teacher
recommendation**

This one-semester course focuses on the advance study of economics, including micro– and macro– economics. Students are required to work on an advanced level. This is a college course taught through the Project Advance program at Syracuse University. Successful completion of the course may earn the student three (3) college credits and/ or exemption from a college course. Five (5) hours of community service are required for all seniors in Economics and Participation in Government. This course fulfills the Economics graduation requirement. *There is a tuition cost for enrollment in SUPA courses.* There is a final exam worth 25% of the overall grade in this class.

SUPA PST 101 Public Studies (Syracuse University Project Advance) (3 credits)

Credit: 1/2 unit

Grade: 12

**Prerequisites: United States
History and Government and teacher
recommendation**

This one-semester course is a team, project based format. Teams will study societal public issues and policies. Teams will research, analyze and develop a resolution to resolve their selected issue. The final exam is a written Memo; there are no tests. This course will focus on career and college skills in an authentic process. This is a college course taught through the Project Advance Program at Syracuse University. Successful completion of the course will earn the student three (3) college credits. Five (5) hours of community service are required for all seniors in this course. This course fulfills the Participation in Government graduation requirement. *There is a tuition cost for enrollment in a SUPA course.*

Participation in Government: Law Studies

Credit: 1/2 unit

Grade: 12

**Prerequisite: United States
History and Government**

This one-semester course encompasses criminal, civil and constitutional law with a focus on a wide range of contemporary issues. Students will develop an understanding of United States laws, our legal system and their impact on society. Through the investigation of real world situations and current events, critical reasoning skills will be utilized to explore how court cases and legal decisions play an important role in creating change. Mock trials may be incorporated into the classroom to help students understand the legal process in action. Professionals in the legal field will be utilized for topics of special interest. There is a rigorous final project in place of a final exam. *Passing this course is required for graduation.*

Psychology

Credit: 1/2 unit

Grade: 11, 12

**Prerequisite: Global History
and Geography 2**

This elective focuses on the scientific study of behavior and mental processes, giving a better understanding of human life and interaction. Course topics covered include the human life span, personality and thought, human relations, abnormal behavior, motivation and emotion. Activities are designed to be group interactive in order to develop self-awareness. Students will demonstrate cooperative learning skills. There is no final assessment for this course.

AP Psychology

Credit: 1 unit

Grade: 11, 12

**Prerequisite: Global History
and Geography 2**

This course will enrich students who want to pursue a STEM education, nursing or teaching. AP Psychology can increase student involvement in a STEM career using the science learned in psychology (for example the scientific method, use of empirical data, use of statistics, experimentation, applied research, etc). The scientific method is used in Psychology to test hypothesis and develop theories. Psychology is a prerequisite course to pursue careers in the health field and education. *There is a cost associated with the AP exam.*

Social Studies

Sociology

Credit: 1/2 unit

Grade: 11, 12

Prerequisite: None

This elective course focuses on the study of society and how people react in collective situations. It covers topics including the family, social interactions, socialization, group behavior, and power and inequality. Final assessment will be a teacher created final exam.

SUPA SOC 101 Sociology (Syracuse University Project Advance) (3 credits)

Credit: 1/2 unit

Grade: 12

Prerequisites: Successful completion of United States History and Government and both Global History and Geography and United States History and Government Regents and teacher recommendation

This course emphasizes analytic reading and conceptual analysis. The approach to sociology is to view it as an empirical social science. The readings are based on empirical research studies or are review articles of research in an area of sociological investigation. It is a writing intensive course. This course introduces C. Wright Mills' classic notion of "the sociological imagination" and the promise of sociology, and encourages students to see and think about the social world, themselves, and the relations between themselves and the social world in new ways. As the course progresses, students should obtain increasing skill in analytic reading and writing, sociological reasoning, empirical investigation, and in the ability to make empirical and conceptual generalizations about self and society in an increasingly global world. Upon completion of this course, students will: 1. Understand how sociologists study human social behavior and society. 2. Be familiar with basic sociological concepts, theories, and methods. 3. Be able to critically evaluate information, have gained skills in analytic reading and writing, as well as oral communication, recognize how social forces shape individual experiences, and be able to apply the sociological imagination to their social worlds. This college course is taught through the Project Advance Program as Syracuse University (SUPA). Successful completion of this course may earn the student three (3) college credits and/or exemption from a college course. *There is a tuition cost for the enrollment in a SUPA course. This course will be offered every other year.*

Oral History

Credit: 1/2 unit

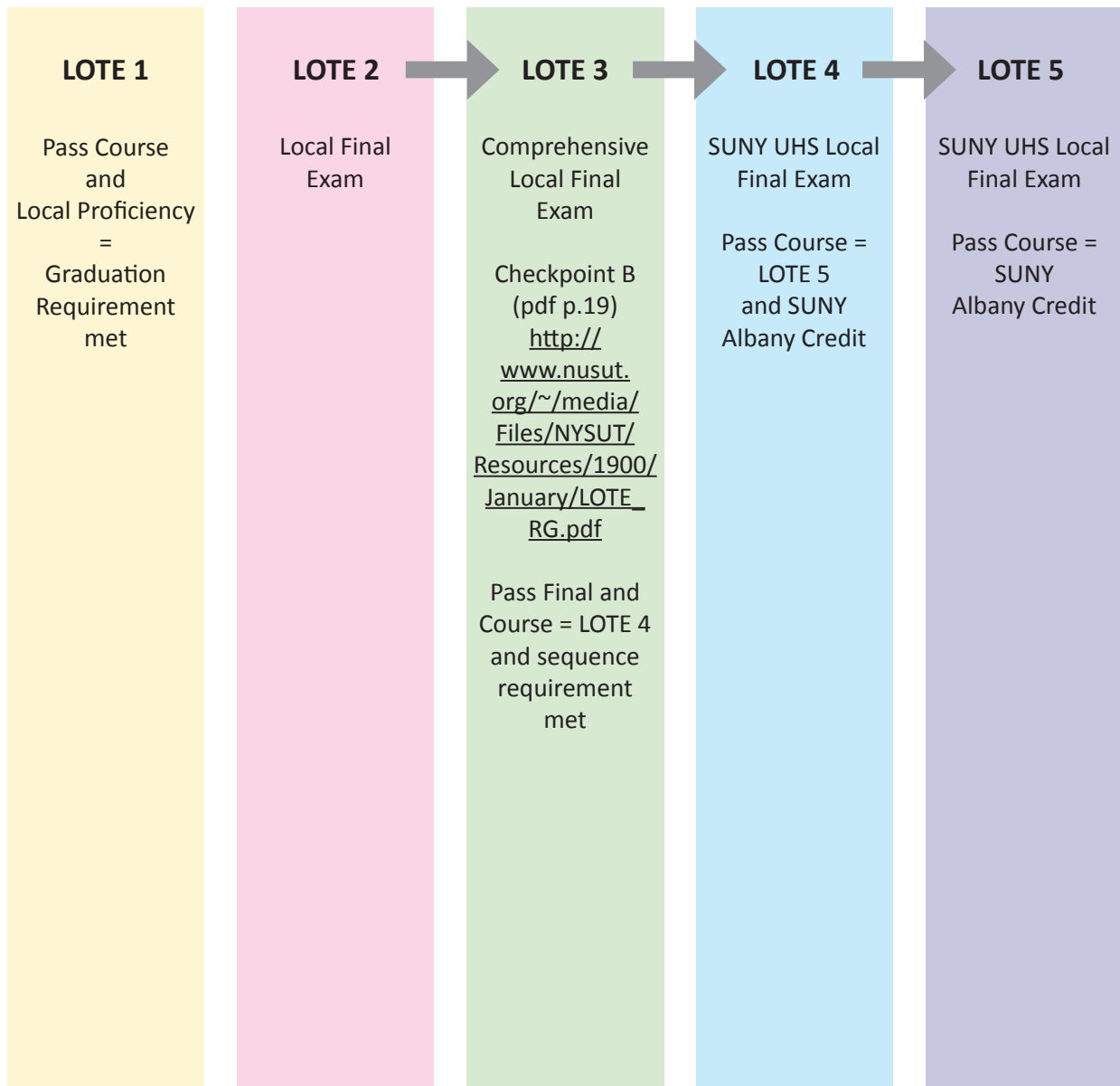
Grade: 9 (with teacher approval), 10, 11, 12

Prerequisites: None

The goal of this course is to create a school archive that encompasses family, school, and local history along with a variety of historically important topics. During the course of 1 semester, students will learn the basics of oral history and develop the skills needed to conduct a good interview. Following the initial background information, students will go out into the field to research/interview for their class projects. The first marking period will entail a family and school history topic, while the second marking period students will be creating a local history project. Students will then have the choice of an important historical topic. Students will be required to work collaboratively and independently. The final project will be presented to a public audience and stored in the school archives. Final assessment is the choice of a historical topic project.

World Language

World Language LOTE (Language Other Than English) Requirements



World Language

Spanish 1

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: None

The Spanish curriculum includes:

Introduction to basic reading, listening, speaking and writing skills, introduction to basic grammatical concepts in the Spanish language, emphasis on the communicative approach, stressing common daily vocabulary, which satisfies Checkpoint A of the communicative objective, introduction to Spanish culture, its people and customs. Department Exam: Checkpoint A. *This course fulfills the graduation requirement in World Language.*

Spanish 2

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisites: Successful completion of Spanish 1

The Spanish 2 curriculum includes:

Further development of listening, writing, reading and speaking skills, which satisfies Checkpoint B of the communicative objective of the New York State Syllabus, greater emphasis on reading comprehension skills, introduction and practice of fundamental grammatical concepts, strong emphasis on vocabulary build-up through vocabulary, word explanations and word groupings, continuing study of Spanish culture. Department Exam: Checkpoint A and part of Checkpoint B.

Spanish 3

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Successful completion of Spanish 2

The Spanish 3 curriculum includes:

Development of stronger, refined reading and comprehension skills, further development of speaking and communicative skills, mastery of fundamental grammatical concepts, continuation of strong vocabulary build-up, an overview of the Spanish language and culture, development of refined writing skills through composition, preparation for the comprehensive exam in June. Department Exam: Checkpoint B.

SUNY Spanish 4 (SUNY Albany, ASPN 201) (4 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Completion of Spanish 3 and a recommendation of the Level 3 teacher

This course provides students with a thorough review of Spanish grammar, language and culture at the Beginning-Intermediate Level. Students expand their linguistic and cultural knowledge through communicative activities, various selected readings, guided grammatical exercises, pre-recorded listening activities, films, and guided Internet activities. Students intensify their study of the form of the Spanish language as it relates to function. Students also have the opportunity to earn four (4) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

SUNY Spanish 5 (SUNY Albany, ASPN 202) (4 credits)

Credit: 1 unit

Grade: 12

Prerequisites: Completion of Spanish 4 and recommendation of the Level 4 teacher

This course provides a thorough review and continued acquisition of the Spanish language and culture at the Intermediate Level. Students expand their linguistic and cultural knowledge through selected readings, guided grammatical exercises, communicative activities, recorded listening activities, films and guided Internet activities. Students increase their knowledge and understanding of and gain insight into a culture other than their own. Students also have the opportunity to earn four (4) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

World Language

Latin 1

Credit: 1 unit

Grade: 8, 9, 10, 11, 12

Prerequisite: This course is taught in the High School

Students study syntax, inflections, and vocabulary by usage in Latin passages. Students will use these tools to develop reading skill in Latin. Daily drill activities are provided to promote automatic response in reading, writing and speaking. Word study is related to the use of derivatives and Latin phrases in English. The social life of the Romans, myths and legends, and famous Roman personalities are learned by reading Latin stories, which serve as examples of our cultural heritage. This course is geared to satisfy the Checkpoint A of the New York State Syllabus for the communicative approach. Department Exam. *This course fulfills the graduation requirement in World Language.*

Latin 2

Credit: 1 unit

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of Latin 1 or teacher recommendation

The Latin 2 curriculum includes: Further development of listening, writing, reading and speaking skills, which satisfies Checkpoint B of the communicative objective of the New York State Syllabus, greater emphasis on reading comprehension skills, introduction and practice of fundamental grammatical concepts, strong emphasis on vocabulary build-up through vocabulary, word explanations and word groupings, continuing study of Latin culture. Department Exam.

Latin 3

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Successful completion of Latin 2, and passing the local proficiency exam

Students continue the study of grammar through Cicero's orations and letters. The study of the social and political aspects of the Republican period is approached through additional authors. Students analyze the connection of modern society to antiquity. Department Exam.

SUNY Latin 4 (SUNY Albany, ACLL 101) (4 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Latin 3 and recommendation of the Level 3 teacher

This course provides students with a thorough review of Latin grammar, language and culture at the Beginning-Intermediate Level. Students expand their linguistic and cultural knowledge through communicative activities, various selected readings, guided grammatical exercises, listening activities, films, and guided Internet activities. Students intensify their study of the form of the Latin language as it relates to function. Students also have the opportunity to earn four (4) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

SUNY Latin 5 (SUNY Albany, ACLL 201) (3 credits)

Credit: 1 unit

Grade: 12

Prerequisites: Successful completion of Latin 4 and recommendation of the Level 4 teacher.

This course will provide a thorough review and continued acquisition of the Latin language and culture at the Intermediate Level. Students will expand their linguistic and cultural knowledge through selected readings, guided grammatical exercises, communicative activities, listening activities, films, and guided Internet activities. Students will also increase their knowledge and understanding of a culture other than their own. This course will prepare students to take the AP exam in May if they choose to do so. Students also have the opportunity to earn three (3) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

World Language

Italian 3

Credit: 1 unit

Grade: 10, 11, 12

Prerequisites: Successful completion of Italian 2 and passing the local comprehensive exam

The Italian 3 curriculum includes: Development of stronger, refined reading and comprehension skills, further development of speaking and communicative skills, review of major grammatical concepts, continuation of strong vocabulary build-up, complete overview of the Italian language and Italian-speaking culture, development of refined writing skills through composition, preparation for the comprehensive exam in June. Department Exam: Checkpoint B.

SUNY Italian 4 (SUNY Albany, AITA 103) (4 credits)

Credit: 1 unit

Grade: 11, 12

Prerequisites: Successful completion of Italian 3 and recommendation of Level 3 teacher

This course provides students with a thorough review of Italian grammar, language and culture at the Beginning-Intermediate Level. Students expand their linguistic and cultural knowledge through communicative activities, various selected readings, guided grammatical exercises, pre-recorded listening activities, films, and guided Internet activities. Students intensify their study of the form of the Italian language as it relates to function. Students also have the opportunity to earn four (4) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

SUNY Italian 5 (SUNY Albany, AITA 104) (4 credits)

Credit: 1 unit

Grade: 12

Prerequisites: Completion of Italian 4 and recommendation of the Level 4 teacher

This course provides a thorough review and continued acquisition of the Italian language and culture at the Intermediate Level. Students expand their linguistic and cultural knowledge through selected readings, guided grammatical exercises, communicative activities, recorded listening activities, films and guided Internet activities. Students increase their knowledge and understanding of and gain insight into a culture other than their own. Students also have the opportunity to earn four (4) SUNY Albany college credits as an option in this course. Final Exam: SUNY Albany UHS approved. *There is a tuition cost for enrollment in SUNY courses.*

Course Selection List

This listing is designed for students/parents/guardians to use in planning course selections.
The availability of courses is based on minimum student enrollment.

All **bolded** courses may be eligible for college credit. All have specific requirements for earning the credit.

ART

Advanced Art 1
Advanced Art 2
Advanced Media Arts
Advanced Media Arts 2
Advanced Studio in Clay 1
Advanced Studio in Clay 2
AP Art History
Drawing and Painting
Digital Rendering
Intro to Theatre
AP Portfolio Preparation
Art in Culture
Studio in Clay 1
Studio in Clay 2
Studio in Media Arts/Digital Photo

Business, Finance and Information Technology

Banking and Finance
Business and Criminal Law
Business Communications
Business Ownership (DECA)
Career and Financial Management
Career Exploration Internship Program (CEIP)
Cyber Security
Game Design
IT Essentials (Cisco)
Principles of Accounting 1
Principles of Business Mgmt. Banking and Finance Manager
Principles of Business Mgmt. Banking and Finance Supervisor
Principles of Business Mgmt. – Ownership
Principles of Business Mgmt. – Retail
Principles of Marketing
Retail Management I
Retail Management II
Sport and Entertainment Mgmt. I
Sport and Entertainment Mgmt. II
Spreadsheet Management
Student Activity Accounting 1
SUNY OCC BUS 101 Introduction to Business
SUPA Accounting
Web Design I

Course Selection List

Career and Technical Education

Automotive Technology Applications
Aviation and Aerospace 2
Child Development and Psychology
Construction Technology 1
Construction Technology 2
Cosmetology 1
Cosmetology 2
Culinary Arts 1
Culinary Arts 2
Design and Drawing for Production/Intro to Engineering Design (DDP/IED)
Introduction to Electricity and Electronics
Film History
Food and Nutrition
Intro. to Automotive Technology
Intro. to Aviation and Aerospace
Movie Production and New Media
Multi-Camera Studio Productions
Production Systems
Residential Systems
School-Age Psychology
SUNY OCC ATC 103 Automotive Tech Fundamentals
SUNY OCC EDU 182: Child Growth and Development
SUNY OCC EDU 156/157/185: GETP
**SUNY OCC EDU 180 Early Childhood Education:
An Introduction**
SUNY OCC EMC 101 Intro to Mass Communication
SUNY OCC MET 161 Engineering Drawing
Television History
TV News 1A
TV News 1B
TV News 2A
TV News 2B
TV News 3A
TV News 3B
TV News 4A
TV News 4B

Career and Technical Education at BOCES

Automotive Collision Technology
Health Occupations
Heavy Equipment Repair, Operation & Diesel Technology
Laboratory Technology
Physical Therapy
Welding
New Visions: Medical Professions, Criminal Justice Professions, Engineering Professions

English

College Prep English
Creative Writing
English 9
English 9 Honors
English 10
English 10 Honors
English 11
English 12
The Capstone Experience
EWL/ELA
SUNY OCC COM 210 Public Speaking
SUNY OCC ENG 103 & 104
Yearbook 1
Yearbook 2
Yearbook 3
Yearbook 4

Course Selection List

Mathematics

Advanced Topics with Algebra II

Algebra II

AP Calculus

AP Computer Science A

AP Computer Science Principles

AP Statistics

Business Math

Computer Programming 1

Computer Programming 2

Geometry

Algebra I Regents

Geometry Regents

Geometry Regents Honors

Algebra II Regents

Algebra II Regents Honors

SUNY OCC MAT 118 SUNY Exploring Statistics

SUNY OCC MAT 143 Pre-calculus with Trigonometry

Music

AP Music Theory

Chorale

Concert Band

Concert Band/Choir Combo

Mixed Choir

Music Theory

Wind Ensemble

Wind Ensemble/Chorale Combo

Physical Education

PE 09/10

PE 11/12

PE Excel

Health

Health Education

Science

Anatomy and Physiology

Chemistry Foundations

Chemistry Regents

Physics Regents

Earth Science Regents

Earth Science with Symposium

Environmental Science

Forensic Science

Living Environment Regents

RxeSearch – An Education Journey

SUNY ESF The Global Environment

SUNY ESF: Special Topics in Research

SUPA BIO 121/123/124 Biology

SUPA CHE 106/107 & 116/117 Chemistry

SUPA CHE 113 Forensic Science

SUPA PHY 101/102 Physics

Course Selection List

Social Studies

AP Psychology

AP United States History

AP United States Government & Politics

AP World History

Economics

Global History and Geography 1 Honors

Global History and Geography 2

Global History and Geography 2 Honors

Global History and Geography 1

Participation in Government: Law Studies

Psychology

Sociology

SUPA ECN 203 Economics

SUPA PST 101 Public Studies

SUPA SOC 101 Sociology

United States History and Government

World Language

Italian 3, 4, 5

Latin 1

Latin 2

Latin 3

Spanish 1

Spanish 2

Spanish 3

SUNY Latin 4

SUNY Latin 5

SUNY Spanish 4

SUNY Spanish 5

High School Courses taught in the Middle School

Algebra Regents

Latin 1

Living Environment

Spanish 1

Studio in Art

ESM Central High School

EXPLORE AND DISCOVER



Collaboration
Creativity
Critical Thinking
Communication



CAREERS
PATHWAYS

Foundation Courses

YOUR NYS GRADUATION REQUIREMENTS

Students need a minimum of 22 credits to graduate, made up of the following

<u>Classes</u>	<u>Credits</u>
English - 4 years and a Regents exam score of 65+	4
Social Studies - 4 years, and two Regents exam scores of 65+	4
Math - Advanced diploma: 3 years and three Regents exam scores of 65+ or Regents diploma: 3 years and one Regents exam scores of 65+	3 3
Science - Advanced diploma: 3 years and two Regents exam scores of 65+ or Regents diploma: 3 years and one Regents exam scores of 65+	3 3
Foreign Language - Advanced diploma: 3 years or 1 credit, plus a 5 credit sequence or Regents diploma: 1 year	3 1
Phys Ed - 4 years, worth a half credit each	2
Art/Music - 1 credit, in arts or music	1
Health - half a credit	.5



What Are You Passionate About?

Can You Identify Your Strengths And Skills?

Where Do You See Yourself After High School?

The Career Pathways process allows you to explore who you are, discover what you like to do, and imagine your future.

What are Career Pathways?

They are clusters of careers that share common interests, skills and strengths. Each Pathway outlines the courses that will help you explore and develop the tools necessary for each career cluster. Since there are many roads to success you are not locked into one Pathway. If you change your mind you can explore another Pathway.

How will you know which Pathway is a good fit?

You'll take interest surveys and review your results with your School Counselor. Your course selections will help you choose your Pathway. Internships, job shadowing and field work in real world settings are a good way to help you gain valuable experience and insight into your future career choices.

Just follow the steps to begin the exciting journey along a Career Pathway!

← STEPS TO IDENTIFY YOUR CAREER PATHWAY →

- 1.) Meet with your School Counselor
- 2.) Complete the career interest survey in Naviance <https://connection.naviance.com/esmchs>
- 3.) Review the survey results, Career Pathway templates and answer the questions
- 4.) Look up course descriptions in the Course Catalog
- 5.) Meet with your School Counselor to find the Career Pathway that most closely matches your interests and skills
- 6.) Develop and follow your Graduation Plan to include required courses and career specific electives to complete your Career Pathway
- 7.) Consider exploring activities and courses, such as work-based learning or college credit, that are related to the Career Pathway you choose

ARTS AND COMMUN

Careers in this path are related to the humanities and performing, v
These may include graphic, interior and fashion design, writing, film
media, advertising, public relations, music, theatre, education, arts

Is this Pathway for you?

- | | | |
|---|------------------------------|-----------------------------|
| Are you interested in communicating your ideas to diverse groups in multiple ways? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are you passionate enough to overcome obstacles? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you identify as a visual learner? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are you passionate about drawing, performing or writing? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you enjoy engaging in conversations with others to solve problems? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you take the initiative to advocate for your creative ideas? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you seek opportunities to learn about and be engaged in history and culture? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Does the idea of working in or being a part of a community that creates excite you? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Possible Career to Explore

Advertising
Animation
Announcer
Artist
Camera Operator

Critic
Curator
Director
Dramaturgy
Editor

Education
Fact Checker
Fashion
Film Editor
Floral Arts

Interior Design
Interpreters
Journalism
Media
Musician

ICATION

visual, literary, and media arts.
n, fine arts, journalism, languages,
management or design.

Elective Recommendations

Advanced Art	Mixed Choir
Advanced Media Arts	Movie Production and New Media
Advanced Studio in Clay	Multi-Camera Studio Productions
AP Art History	Music Theory
AP Portfolio Prep	Oral History
AP Statistics	Public Speaking
Band/Choir Combo	Studio in Art
Black & White Photography	Studio in Clay
Computer Programming	Studio in Media Arts/ Digital Photography
Concert Band	SUNY OCC Exploring Statistics
Concert Choir	SUNY OCC Intro to Mass Communications
Cosmetology	SUNY OCC: Child Growth and Development
Creative Writing	SUNY OCC: Early Childhood Education: An Introduction
Culinary Arts	SUPA Design & Mgmt. Internet
Design & Drawing for Production	Television History
Drawing & Painting	Television News Production
Fashion Sewing	Web Design
Film History	Wind Ensemble/Choir
Foreign Language	Yearbook
Game design	Young Adult Novel
Graphic Novels in Literature	
Intro to CAD	
Intro to Theatre	
Journalism	



Performing Arts
Photographer
Producer
Public Relations
Reporter

Research
Set/Exhibit Design
Sound Engineer
Technical Writer
Textiles

Translator
Visual Arts
Web/Graphic Design
Writer
And More.....

BUSINESS AND INFORMATION

Careers in this path are related to the service marketing, computer/information economics, management, office administration



Is this Pathway for you?

- Are you someone who likes to analyze data and solve problems? Yes No
- Do you like to interact with all kinds of people? Yes No
- Do you like to plan events, organize people, or sell ideas or products? Yes No
- Are you a detail oriented person? Yes No
- Do you consider yourself a leader who could be part of a team? Yes No
- Are you interested in being a team captain, officer, or having a role in an organization? Yes No
- Are you interested in technology and its ongoing innovation? Yes No
- Have you ever dreamed of owning your own business? Yes No

Possible Career to Explore

- | | | | |
|-------------------|-----------------|--------------------|------------------------------|
| Accountant | Banking | Desktop Publishers | Fund Raiser |
| Account Collector | Budget Analyst | Entrepreneur | Grant Writer |
| Advertising | Business Owner | Event Planner | Human Resource Manager |
| Appraiser | Buyer | Financial Analyst | Human Resources Recruiter |
| Auditor | Cost Estimators | Financial Manager | Information Security Analyst |

INFORMATION MANAGEMENT

in the business environment. These may include entrepreneur, sales/marketing systems and security, finance, accounting, personnel, administration, business ownership, advertising, sales and service.

Elective Recommendations

Advanced Topics with Algebra 2
AP Statistics
Banking and Finance
Banking and Finance Manager
Banking and Finance Supervisor
Business Communications
Business Ownership
Business/Criminal Law
Career and Financial Management
Career Exploration Internship Program
Computer Programming
Contemporary Business Principles
Economics
Foreign Language
Game Design
Principles of Accounting
Principles of Marketing
Retail Management
Sport & Entertainment Mgmt.
Spreadsheet Management
Student Activity Accounting
SUNY OCC Exploring Statistics
SUNY OCC Internetworking 1
SUNY OCC Intro Mass Communications
SUNY OCC Intro to Business
SUNY OCC Network Fundamentals
SUNY OCC Pre-Calculus
SUNY OCC Public Speaking
SUPA Accounting
SUPA Design & Mgmt. Internet
SUPA Economics
SUPA Public Affairs
Trigonometry
Web Design



Information Technology
Insurance Agent
Insurance Claims
Insurance Underwriter
Investor

Labor Relation Specialist
Loan Officer
Logistician
Marketing Research Analyst
Purchasing Agent

Real Estate Developer
Sales
Technical Writer
Tax Examiner
And More.....

www.esmschools.org/CareerPathways

ENGINEERING, INDUSTRIAL AND



Careers in
install, and
manufacturing
architect

Is this Pathway for you?

- Are you curious about how systems/things work? Yes No
- Do you like to solve problems? Yes No
- Do you spend time taking things apart and putting them back together? Yes No
- Do you enjoy creating, inventing or imagining new and different ways to do things? Yes No
- Are you fascinated by the future possibilities of technology? Yes No
- Do you wonder how things are made? Yes No
- Do you like to use math/science skills to build things or work through real life scenarios? Yes No
- Are you comfortable working alone with minimal directions? Yes No

Possible Career to Explore

Advanced
Manufacturing
Aerospace Engineer
Agricultural & Food
Scientists

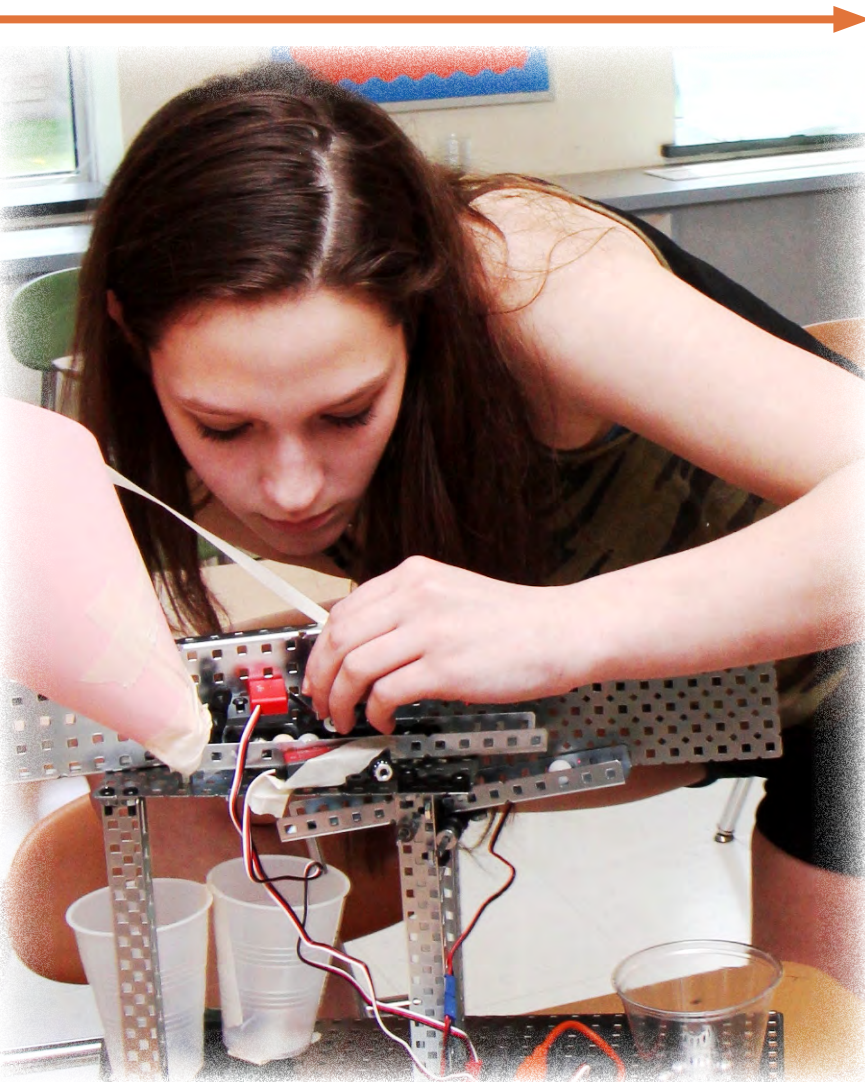
Architect
Automotive Technician
Biomedical Engineer
Carpenter
Cartographer
Chemical Engineer

Civil Engineer
Computer Engineer
Computer and Info.
Research Scientist
Construction

Cyber Security
Drafter
Electrical Engineer
Electrician
Engineering Design
Health & Safety Engineer

ND TECHNOLOGICAL SCIENCES

on this path are related to technologies necessary to design, develop, and maintain physical systems. These may include engineering, manufacturing, technology, construction, service related technologies, agriculture, mechanic and repair and engineering related technologies.



Elective Recommendations

Advanced Topics with Algebra 2	Intro to Engineering Design
AP Calculus	Introduction to Automotive Tech.
AP Statistics	Introduction to Aviation and Aerospace
Automotive Tech. Applications	Introduction to CAD
Automotive Tech. Fundamentals	IT Essentials, CISCO
Aviation and Aerospace 2	Physical Science
Computer Integrated Manufacturing	Principles of Engineering
Computer Programming	Production Systems
Computer-Aided Design and Drafting	Residential Systems
Construction Technology	SUNY OCC Exploring Statistics
Design & Drawing for Production	SUNY OCC Internetworking 1
Electricity and Electronics	SUNY OCC Network Fundamentals
Engineering Professions Program (New Visions)	SUNY OCC Pre-Calculus
Engineering, Design & Development	SUNY OCC Public Speaking
Foreign Language	SUPA Design & Mgmt. Internet
Game Design	SUPA Physics
	Welding (BOCES)

HVAC
Industrial Engineer
Information Security
Landscape Architect
Logistics

Mason
Mathematician
Mechanical Engineer
Nuclear Engineer
Physicist
Plumber

Surveyor
Technicians of Systems
Transportation Systems
Welder
And More.....

www.esmschools.org/CareerPathways

HEALTH AND NATURAL

Careers in this path are related to the promotion of health and treatment. These may include research, prevention, treatment, related health technology, dentistry, medicine and mental health, agribusiness, farm to table, agriculture.

Is this Pathway for you?

- Are you able to work in situations that are unpredictable and rapidly changing? Yes No
- Do you enjoy dealing with a problem that isn't easily solved or doesn't have one correct answer? Yes No
- Do you get satisfaction from helping people and/or animals? Yes No
- Do you like listening and working with others who have differing viewpoints? Yes No
- Are you interested in working in a field that improves peoples lives? Yes No
- Do you enjoy doing research to solve problems? Yes No
- Do you spend a lot of time outside enjoying nature? Yes No
- Are you interested in enviromental issues? Yes No

Possible Career to Explore

Agricultural Engineer	Dentist	Forestry & Conservation	Medical Technician
Athletic Trainer	Dietician	Genetic Counselor	Nurse
Audiologist	Engineer	Genetic Engineer	Nurse's Aide
Chiropractor	Environmental Scientist	Information Security	Nurse Practitioner
Dental Assistant	Food Processing	Medical Doctor	Nutritionist

L RESOURCE SCIENCES

nt of disease and the use, preservation and study of natural resources.
ologies, nutrition, fitness, therapy and rehabilitation, nursing,
cultural sciences, environmental sciences and natural resources.

Elective Recommendations

Anatomy and Physiology
AP Calculus
AP Statistics
Chemistry
College Prep Chemistry
College Prep Chemistry Honors
College Prep Physics
Computer Science
Environmental Science
Food and Nutrition
Foreign Language
Forensic Science
Health Occupations (BOCES)
International & Regional Foods
Laboratory Technician (BOCES)
Medical Professionals (New Visions)
Physical Education Excel
Physical Science
Physical Therapy Professions (BOCES)
Principles of Engineering
Psychology
RXESearch
SUNY ESF – The Global Environment
SUNY OCC Pre-Calculus
SUNY OCC Public Speaking
SUPA Biology
SUPA Chemistry
SUPA Forensic Science
SUPA Physics



Organic Farming
Pharmacist
Pharmacy Technician
Phlebotomist
Physicians Assistant

Physical Therapist Asst.
Radiology Technician
Research Assistant
Research Scientist
Research Technician

Solar Power Engineer
Ultra Sound Technician
Veterinarian
Veterinarian Technician
And More.....

www.esmschools.org/CareerPathways

HUMAN

Careers in this path are related to government, law, law enforcement services, personal services and hu



Is this Pathway for you?

- | | | |
|---|------------------------------|-----------------------------|
| Do you get satisfaction from helping others? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are you open-minded when working with others to solve problems? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are you interested in using technology to improve people's lives? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Are you compassionate and empathetic? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you enjoy working closely with people to improve your community? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you have a desire to understand and implement systems? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you have an interest in human development and behavior? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Do you have a desire to provide justice? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Possible Career to Explore

Administration
Airline Security
Border Patrol
Chef
Cosmetologist

Counselor
Customs Patrol
Cyber Security
Drone Technology
Early Childcare Provider
Elected Official

Esthetician
Ethical Hackers
Family Therapist
Fire Fighter
Food Service Manager

Gaming Surveillance
Officer
Hotel Management
Instructional Coordinator
Law Enforcement

AND FAMILY SERVICES

to the economic, political, and social systems. These include education, art, legal studies, leisure and recreation, military, religion, child care, social human services, food and beverage industry, tourism and cosmetology.

Elective Recommendations

Advanced Topics in Algebra 2
Anatomy and Physiology
AP Statistics
AP US History
Business Law/Criminal Law
Child Development and Psychology
Cosmetology
Criminal Justice (New Visions)
Culinary Arts
Fashion Sewing
Food and Nutrition
Foreign Language
Forensics
International and Regional Foods
Oral History
Physical Education Excelled
Psychology
School-Age Psychology
Sociology
SUNY OCC Child Growth and Development
SUNY OCC Early Childhood Education: An Introduction
SUNY OCC Exploring Statistics
SUNY OCC Introduction to Business
SUNY OCC Public Speaking
SUPA Forensic Science
SUPA Public Affairs
SUPA Sociology



Lawyer
Library Media Specialist
Mental Health Counselor
Military
Museum Curator

Private Investigator
Probation Officer
Psychologist
Recreational Therapist
Religious Leader

Social Worker
Substance Abuse Counselor
Teacher
Teaching Assistant
And More.....

Dispositions and Skills for a Successful Present and Future

Be open-minded and flexible in thinking
Listen with understanding and empathy
Desire continual learning; Persist and persevere
Manage choices and impulsivity
Understand and manage personal relationships
Think about thinking

Be brave and take responsible risks
Think interdependently with clear communication
Create, innovate, imagine
Be curious and question; Find humor
Be grateful and respond with wonderment and appreciation
Desire integrity and honesty

Skills for success in school and careers are viewed as essential for our students and staff to be successful in this rapidly changing world. The skills our students need for their futures is changing as our world experiences rapid change with advanced robotics, artificial intelligence, biotechnology and more. High paying jobs used to be based on a person's level of knowledge, but leaders such as the World Economic Forum, the International Center for Leadership in Education, and numerous employer groups have revised this trend based on world changes. These groups currently identify the top skills needed by our students as the following:

- ◆ Complex problem solving skills: acquires and analyzes necessary critical information with accuracy, translates into manageable tasks, works with others to apply to new situations
- ◆ Critical thinking: use logic and variety of reasoning strategies
- ◆ Creativity: creating original thoughts
- ◆ People Leadership and Management: inspire and motivate others toward common vision, develop skills of others, self-management
- ◆ Coordinating with others: collaborate, adjust in relation to others and be sensitive to needs of others
- ◆ Emotional Intelligence: being aware of others' reactions and needs; and aware of consequences of personal choices on others
- ◆ Judgment and Decision Making: Use data to make intelligence decisions; knowing how to get acceptance and commitment from others; provide feedback and recommendations to others
- ◆ Service Orientation: responsible citizen, actively seeking ways to help others, our community and our world
- ◆ Negotiation: resolving differences between you and others without argument
- ◆ Cognitive flexibility: involves thinking flexibly, logically and with sensitivity to adapt how you communicate based on who you're talking to or your audience



*Sow a thought, reap an action;
Sow an action, reap a habit;
Sow a habit, reap a character;
Sow a character, reap a destiny.*

-Samuel Smiles

CAREER PATHWAYS



Finding
Your
Future

