

Ellicottville Central School



**2020-2021
Course Catalog**

To Students and Parents:

Our 2020-2021 Course Catalog is prepared to assist students and parents in making choices for the next school year. Mrs. Eddy and Mr. LaCroix will be meeting with all Middle and High School students to plan their courses for the coming school year and to review their progress towards graduation. The course requests will be sent home with students for parents to review, sign and return to the Guidance Office. After course selections are made, the Master Schedule will be designed to best meet the needs of students. Student schedules for the fall will then be prepared and distributed.

Please call Mrs. Eddy or Mr. LaCroix at 699-2316 if you have any questions or would like to set up a meeting to discuss course selection for your son/daughter.

Guidance Office

All students in grades K-12 have a school counselor assigned to them who will meet and discuss career objectives as well as day-to-day needs that may require adult input or advice. Mr. LaCroix will be working with students in grades K-7. Mrs. Eddy will be working with students in grades 8-12.

Students are reminded that career information, scholarships, college information, details on the Armed Services, and all information for SAT's, ACT's, FAFSA, and other related information are available in the Guidance Office.

Course Load

Every student in high school shall be registered for a minimum load of 6 credits for each of the four years, grade 9 through 12 plus Physical Education.

ECS GRADUATION REQUIREMENTS

I. REGENTS DIPLOMA

a. Course Requirements

ENGLISH	4 units	PHYS. ED.	2 units
SOCIAL STUDIES	4 units	ART/MUSIC	1 unit
MATH	3 units	HEALTH	.5 units
SCIENCE	3 units		
FOREIGN LANG.	1 unit		

*Must have 24 credits to graduate

b. Exam Requirements

EARTH SCIENCE **OR** BIOLOGY REGENTS
ALGEBRA REGENTS
GLOBAL STUDIES REGENTS
ENGLISH 11 REGENTS
US HISTORY REGENTS

II. ADVANCED REGENTS DIPLOMA

a. Course Requirements

ENGLISH	4 units	PHYS. ED	2 units
SOCIAL STUDIES	4 units	ART/MUSIC	1 unit
MATH	3 units	HEALTH	.5 units
SCIENCE	3 units		
FOREIGN LANG.	3 units		

*Must have 24 credits to graduate

b. Exam Requirements

EARTH SCIENCE & BIOLOGY REGENTS
ALGEBRA, GEOMETRY, & ALGEBRA 2/TRIG REGENTS
COMPREHENSIVE LOTE EXAM
GLOBAL STUDIES REGENTS
ENGLISH 11 REGENTS
US HISTORY REGENTS

In addition to the two diploma types, students can be awarded either diploma with Advanced Designation if they meet the requirement of attaining a 90% **average** on all of the Regents Exams that they take.

6-12 Grading System

Numerical grades are used with 65% as the lowest passing grade. For the first two quarters, grades below 50% will be recorded as *50 and averaged accordingly. The 3rd quarter, 4th quarter and the final test grades will be recorded as earned. The final grade in all courses will be figured in the following manner: take the 4 quarterly grades and the final exam grade and divide by 5.

Students who receive “incomplete” grades have 5-weeks to make up the grade or it will automatically become a *50. In order to earn course credit a student must receive a final grade average of at least 65%. Regent’s credit is earned by successfully completing a course (65%) and passing the appropriate Regents examination.

Weighting for Class Rank

In order to determine class rank, the Board has a revised policy that will be effective starting with the ninth grade class of 2009 (the graduating class of 2013).

The five (5) required Regents exams are not weighted. Students who take and successfully pass any additional Regents exam and/or other non-regents subjects that have also been identified as subjects receiving weighting for class rank will receive a weighted grade. (All of the courses have been identified in the course offerings.) Students taking a more demanding schedule will be rewarded for their efforts. The cumulative student average of all passed courses and/ regents would be multiplied by a factor of .01 for each weighted course a student takes and successfully passes. For example, if a student takes two weighted courses, the cumulative average will be multiplied by .02.

Class rank is updated every semester with final class rank for seniors determined at the end of the third quarter.

- Only the average of grades earned in classes taught at Ellicottville Central School by ECS teachers (including Distance Learning classes taught by ECS staff) through the end of the third marking period of the senior year will be used to determine class rank.
- Course credits earned in other high schools or in summer schools other than those conducted or endorsed by Ellicottville Central School District will not be used in determining the final selection of a valedictorian, salutatorian or a “top 10 graduate.”
- Only college level courses offered at ECS and taught by ECS teachers will be considered weighted courses by a factor of .01 per 3 credit course. Such courses will be used in determining a student’s final GPA and class rank. College level courses taken in any other manner will not be used in determining a student’s final GPA and class rank. In some cases a student may take a college level course as an elective for local credit only. In these cases, the class grade will not be weighted.

- A Student taking on-line courses, Distance Learning courses taught by non-ECS teachers and independent study courses will earn the proper respective credit for such classes towards fulfilling his / her graduation requirement, but these courses will not be used in determining a student's final GPA or class rank.

Drop/Add Policy Process

1. Students and parents are advised that they should consider course selection carefully and the selection of courses at the time represent a firm commitment to scheduling decisions.
2. Student schedules will be mailed in August. All schedule changes should be made prior to the 1st day of school.
3. All requests to change a schedule must be made in writing no later than two weeks after the start of the class.
4. Drop requests after the two-week grace period will not be honored. Extenuating circumstances must be recognized by the following parties for an exception: student, current teacher, parent, counselor, and principal.

Academic Intervention Service (AIS)

AIS is a program mandated by the New York State Department of Education to take place when a student scores below or has been determined to be at risk of performing below the State designated performance level on one or more of the State assessments in English language arts, mathematics, science and / or social studies. The State assessments include; the NYS 3-8 Assessments and Regents examinations.

Each student enrolled in an AIS class will receive individualized instruction specifically designed to address areas in which he / she needs to build / improve his / her skills and achievement.

AIS should not be considered a second period in the subject area or an additional study hall. Also, please be advised that your son / daughter will not receive a grade for AIS, and, as a general rule, he / she will not have homework for AIS. Furthermore, as AIS is mandated by New York State, it may take a priority over a non-mandated elective in your son's / daughter's schedule for this school year.

High School

No Doubling-English or Social Studies

Students will not be scheduled to take 2 or more English or 2 or more Social Studies classes at the same time due to failure. For example: if a student fails English 9 he/she will have to retake it in summer school or take it the following year. Students will not be permitted to take English 10 until English 9 has been successfully completed. Seniors will be exempted from this policy, if doubling will allow the completion of graduation requirements.

Failed Courses

Students failing any high school course may retake the course in summer school (when available) or in the following school year. See student handbook for more information on summer school. **Students who are re-taking a course during the school year will be required to take the corresponding final/Regents exam at the conclusion of the course.**

Honor Roll

Students achieving an average of 90% or higher will be placed on the "High Honor Roll" while students achieving an average of 85% to 89.9% will be listed on the "Honor Roll." An "Incomplete" prevents honor roll eligibility (only exception will be physical education).

College Courses

College level courses are available on our campus, taught by ECS teachers, in the following subject areas:

English, Math, Science, Social Studies, Art, & Business

Students are eligible to receive credit from Jamestown Community College and Syracuse University

Please note the requirements for each college course varies.

College Courses

Ellicottville Central School has worked hard with a number of colleges in Western New York State to be able to offer select college level courses taught by ECS teachers where the student simultaneously earns both high school and college credit. This is a great opportunity for students and can provide many advantages for college bound students. However, students need to remember that the material taught in these courses, as well as the expectations of the students taking them, is demanding and at the college level. Students desiring to enroll in these courses should not do so without first discussing the course rigor and demands that will be placed on them with parents and his/her school counselor. It might also be a good idea for the student to discuss the course with the teacher.

Students need to keep in mind that the primary goal of Ellicottville Central School is to provide a quality high school education; not a college level education. The intent of offering these courses is to provide students that demonstrate a true readiness for such courses a variety of opportunities while still in high school. The intent is not to provide a student with the opportunity to enroll in as many college courses as possible during the junior and senior years of high school.

ECS also realizes that a student may wish to challenge his / herself to take a college level course, only to find out that he / she is not ready for the demands of a particular class. In these cases, and only in the case of a college course, the drop date ECS will use will be the one provided by the college.

Students must remember however, that his / her schedule must still contain at least 6 credit bearing courses and that all graduation requirements must be met before a course can be dropped.

One final thing for students to keep in mind is that while many colleges will recognize and accept the credits earned in these courses, there is no guarantee that the college a student attends will or has to accept these credits.

ECS Administration, upon teacher and/or counselor recommendation, reserves the right to limit the number of college-credit bearing courses taken by a student to ensure success.

The following section provides students with valuable information such as prerequisites and placement test scores needed to enroll in a specific course.

JAMESTOWN COMMUNITY COLLEGE COURSES

Please refer to each course description for this information:
Placement Test, ECS Requirements, & Additional Requirements

COURSE	Next Gen Test	QAS Math	ECS REQUIREMENT
ART 1510 Drawing I	None	None	Studio Art
ENG 1510 English Comp. I	250+		85% English class average
ENG 1530 English Comp. II	Successfully complete ENG1510		85% English class average
MAT 1540 Elementary Statistics	None	255+	85% Algebra 2/Trig average or Teacher Permission
MAT 1590 College Algebra/Trig	None	255+	
MAT 1600 Pre-Calculus	None	280+ Successfully complete MAT1590	
MAT 1710 Calculus	None	Pre-calculus	85% Pre-calculus average
CSC 1560 Microcomputer App.	None	238+	
BUS 1410 Accounting	None		
BUS 1610 Personal Finance	250+		
BUS 1500 Intro. To Business	250+		
CSC 1570 Programming Concepts	None	255+	
CSC 1530 Web Publishing	None		

SYRACUSE UNIVERSITY PROJECT ADVANCE COURSES

We are offering Economic Ideas and Issues through Syracuse. Students must score an 85% or higher on the US History Regents to be eligible.

We are offering Earth Science Systems through Syracuse. Students must successfully pass Biology, Earth Science, & Chemistry

We are offering Physics 101 and Physics 102 through Syracuse. Students must successfully pass Biology, Earth Science, Chemistry and Algebra 2

Course Offerings

Students, please note that 1 credit courses typically meet every day for an entire year, while .5 credit courses may either meet every day for half a year or every other day for an entire year depending on the master schedule.

English

All students must pass the ELA Regents Exam at the end of their Junior year to be eligible for graduation.

**The following English courses are considered weighted courses:
English 1510, English 1530**

English 9

1 credit

English 9 presents four core elements: vocabulary, grammar, composition, and literature. Vocabulary development is based on root words and vocabulary from the literature. Grammar lessons focus on sentence structures and applying the mechanical rules of Standard Written English. Composition lessons focus on using the writing process to compose literary analysis essays, argumentative writing, reflective writing, and creative writing. Literature units are composed of fiction and nonfiction pieces including short stories, drama, poetry, and novels.

English 10

1 credit

English 10 presents four core elements: vocabulary, grammar, composition, and literature. Grammar presentations are primarily overviews of the parts of speech, usage, capitalization, and punctuation and sentences structure. Composition involves the development of narrative, descriptive and expository essays. Reading and writing workshops are utilized throughout the year. Students are required to memorize poetry and give speeches.

English 11

1 credit

English 11 focuses mainly on American literature. Vocabulary and writing skills are developed in conjunction with the literature. A State Regents Exam is given and a passing grade is required for graduation.

English 12

1 credit

Students will use the latest research techniques to create individual projects that focus on writing skills and oral presentations. Non-fiction and fiction readings will be incorporated into the class. The writing process and editing skills will be mastered upon successful completion.

JCC English 1510 .5 credit
College Composition I 3 College Credits
Seniors Only

Prerequisites: **Next Gen Test score 250+**
85% English Class Average

Students will learn to write precise, clear, substantive essays. Students will work with multi-page papers, organization, and mechanics. Emphasis will be placed on critical thinking, reading, and writing.

JCC English 1530 .5 credit
College Composition II 3 College Credits
Seniors Only

Prerequisite: **English 1510**

Students will learn to write precise, clear, substantial, and logical essays. They will develop critical thinking and writing skills required in higher education, employment, and life. Students will also learn to conduct research and write a research paper.

JCC English 1510 1 credit
College Composition I 3 College Credits
Seniors Only

Prerequisites: **Next Gen Test score 250+**

This class will provided students the opportunity to experience a college level English course while working at a slower pace. This course meets every day for a full year.

Students will learn to write precise, clear, substantive essays. Students will work with multi-page papers, organization, and mechanics. Emphasis will be placed on critical thinking, reading, and writing.

Social Studies

The social studies Department follows the Social Studies Learning Standards and its' themes and concepts. Students will be required to pass a New York State Regents exam in Global Studies and U.S. History and Government to graduate from high school.

The following science courses are considered weighted:

SUPA Economics ECN203

Global Studies 9

1 credit

Ninth grade Global Studies is the first part of a two-year program of study. The curriculum contains the themes of world history, geography, economics, and political systems from pre-history to 1750. The ninth grade curriculum has 5 units of study, 5 continuous themes and four regents standards integrated within it.

The following are descriptions of the units of study in order - Ninth Grade:

Unit 1 - Introduction to Global History

Unit 2 - Ancient World: Civilizations and Religion (4000 BC - 500 AD)

Unit 3 - Expanding Zones of Exchange and Encounter (500 AD - 1200 AD)

Unit 4 - Global Interactions (1200 AD - 1650 AD)

Unit 5 - The First Global Age (1450 AD - 1770 AD)

A local final exam is given at the end of Global Studies 9. A State Regents Exam is given and a passing grade is required for graduation at the end of Global Studies 10.

Global 10

1 credit

Global Studies 10 is the continuation of the two-part curriculum, which progresses from Global 9 through Global Studies 10. The 10th grade curriculum contains themes of world history, geography, economic systems, and political systems from 1750 to present day.

The 10th grade curriculum has 4 units of study and 4 continuous themes. The following are descriptions of the units of study. Units 1-5 are taught in the ninth grade year.

Unit 6 - An Age of Revolutions (1750 - 1914)

Unit 7 - A Half Century of Crisis and Achievement

Unit 8 - The World since 1945

Unit 9 - Global Connections and Interactions

Assessment is a State Regents Exam based on thematic essays; data based questions, comprehensive questions, and constructed response questions from both years of study. The State Regents Exam is given at the end of the course and a passing grade is required for graduation.

U.S. History and Government

1 credit

This course is taken in the junior year and contains units about U.S. geography, background of U.S. Government, the Constitution as a foundation of our society, and Constitution issues reflected in court decisions. It also includes a chronologically organized course in U.S. History from The Colonies to the present with an emphasis on the U.S. as an Industrialized Nation, and our relationships with the rest of the world. A State Regents Exam is given at the end of the course and a passing grade is required for graduation.

Social Studies 12 - Participation in Government (PIG)

.5 credit

The class studies local, state and federal government going beyond what was taught in 11th grade with an emphasis on their active participation in the process from voting to running for office. The goal is an understanding of government and a desire to participate in the future.

Social Studies 12 - Economics

.5 credit

The class will study economic theory including supply and demand, trade, and government's role in the economy, taxes and spending and monetary policy. Also concepts such as unemployment, inflation, recovery and recession will be explored. Consumer economics, which is covered, includes credit, taxes, saving and investment, buying a home and car, and making good economic decisions.

Economic Ideas & Issues ECN203

.5 credit

Pre-requisite: **85% on US History Regents**

3 College Credits

An introduction to modern Western economic thought, exploring labor, markets, micro- and macroeconomics. Students should understand basic algebra and geometry

County Government Intern

.5 credit

Seniors Only

Replaces: Participation in Government

Individuals are selected each year to participate in a BOCES program for students from across Cattaraugus County. They will travel to the County Seat in Little Valley and spend one day a week working behind the scenes and in the Legislature.

Mathematics

Students must pass the Algebra Regents Exam to be eligible for graduation.

The following Math courses are considered weighted:

Geometry, Algebra 2, JCC College Algebra, JCC Pre-Calculus, JCC Calculus, JCC Statistics

Algebra 1A

1 credit

Students who score a level 1 or level 2 on the NYS Math Assessment and have a math average below 75% may be placed in this course.

This course is the first year of the two-year sequence for Algebra. Topics covered are 1) Mathematical Reasoning, 2) Numbers and Numeration (including irrationals), 3) Modeling/Multiple Representation (including inequalities, loci, and tree diagrams), 4) Measurement (including trigonometry), 5) Uncertainty (including permutations and combinations) and 6) Patterns and Functions.

Algebra 1B

1 credit

Prerequisite: Algebra 1A

This course is the second year of the two-year sequence for Algebra. Topics covered are 1) Mathematical Reasoning, 2) Numbers and Numeration (including irrationals), 3) Modeling/Multiple Representation (including inequalities, loci, and tree diagrams), 4) Measurement (including trigonometry), 5) Uncertainty (including permutations and combinations) and 6) Patterns and Functions.

Algebra

1 credit

Prerequisite: **75% average in MS Math**

This course is typically the first year of high school math. Topics covered are 1) Numbers and Numeration, 2) Operations (both numeric and algebraic), 3) modeling/Multiple Representation (with real-world problems) 4) Measurement (with formulas and graphs), and 5) Patterns/Functions (both linear and quadratic). A State Regents exam is given at the completion of this class and a passing grade is required for graduation.

Geometry

1 credit

Prerequisite: **A minimum 75% on the Algebra Regents**

This course is the second year of the three-year sequence for math. This course covers the following topics: 1) Congruence; 2) Similarity, Right Triangles, and Trigonometry; 3) Circles; 4) Expressing Geometric Properties with Equations; 5) Geometric Measurement and Dimensions; 6) Modeling with Geometry. A Regents exam is given at the completion of this class in June.

Algebra 2

1 credit

Prerequisite: **A minimum 75% GPA in Algebra & Geometry**

Algebra 2 is the capstone of the three units of credit required for an Advanced Regents Diploma (math portion.) This course is a continuation and extension of the two courses that precede it. While developing the algebraic techniques that will be required of students who continue their study of mathematics, this course is also intended to continue developing alternative solution strategies and algorithms with the help of a graphing calculator. A Regents exam is given at the completion of this class in June.

JCC College Algebra & Trigonometry MAT 1590

.5 credit

Prerequisite: Algebra 2

4 College Credits

QAS Test: 255+

Students will learn algebra and trigonometry topics necessary to prepare them for the study of precalculus. Topics include one-to-one functions and their inverses and graphs, polynomial and rational functions and their applications, radicals and exponents, complex numbers, and trigonometric functions, including graphs and basic identities. Problem-solving and applications are emphasized.

JCC Pre-Calculus MAT 1600

.5 credit

Prerequisite: MAT 1590

4 College Credits

QAS Test: 280+ or successfully complete MAT1590

Students will learn topics necessary for studying calculus and discrete mathematics. Algebra topics include rational and polynomial functions. Trigonometry topics include graphs, identities, half and double-angle formulas, and inverse trig functions. Other topics include exponential and logarithmic functions, and an introduction to limits. An approved graphing calculator is required.

JCC Calculus MAT 1710

1 credit

Seniors Only

4 College Credits

Prerequisite: **85% GPA in Pre-Calculus**

Students will study the fundamental concepts of calculus. Topics include an introduction to analytical geometry, functions, limits and continuity, and derivatives and integrals and their applications.

JCC Statistics MAT 1540

1 credit

Seniors Only

3 College Credits

Prerequisite: **85% average in Algebra 2/Trig****QAS Test:255+**

Students will investigate various topics in both descriptive and inferential statistics including measures of central tendency and spread, graphical analysis of data, probability, random sampling, correlation and regression, hypothesis testing and confidence intervals. Practical applications are emphasized throughout the course. Students in this class will also learn how to use statistical software called Minitab.

Consumer Math

1 credit

The course is designed to provide students with the mathematics needed in daily life. It will emphasize a review and refinement of the basic fundamentals of arithmetic in a setting of practical use. Topics of instruction will include personal income, automobile ownership, and commercial transportation, purchasing consumer goods and banking services.

SCIENCE

Students must pass at least one science regents exam in order to be eligible for graduation.

The following science courses are considered weighted:

Earth Science or Biology (2nd Science), Chemistry, SUPA Earth System Science, & SUPA Physics

Physical Environment - 'Earth Science'

1 credit

This course will follow the guidelines of NYS curriculum in Earth Science. Topics covered: Astronomy, Meteorology, Physical Geology, & Earth History. This course will provide an understanding of concepts, the utilization of mathematics as a scientific tool and logic of the scientific method. Emphasis will be placed on reading graphs, charts, diagrams, manipulation of data, and use of science equipment, materials and resources, use of science techniques through investigations. A State Regents Exam will be given at the completion of this course

Earth Science Lab

Students taking Earth Science must satisfactorily complete a minimum of 1200 minutes of laboratory time during the school year. This will include laboratory reports prepared by the student.

Biology/The Living Environment

1 credit

It contains seven core topics and five extended areas. This course provides students with awareness of natural world, basic scientific concepts, stimulation of inductive reasoning and basic understanding of biologic processes and generalizations. A State Regents Exam will be given at the end of this course. All students must participate in a minimum of 1200 minutes of lab each year and submit an acceptable report of their work. Within the lab students will use equipment and do hands-on experiments reflecting class content.

Chemistry

1 credit

Prerequisite: **75% GPA in Biology & Earth Science**

The course covers the study of matter, kinetics, and applications of chemical properties. A State Regents Exam will be given at the end of this course.

Chemistry Lab

Experiments in all phases of high school chemistry are covered. Laboratory write-ups are mandatory. A Student must complete a minimum of 1200 minutes of lab time and receive at least a 65% to be eligible to take the Regents exam.

Environmental Science

1 credit

Students will be introduced to the historical development and ideas in natural sciences used for developing an environmental ethic and will apply scientific concepts, principles and theories pertaining to the physical setting and environment. Students will continue to explore more in depth principles and theories pertaining to human effects and changes to the environment. The course will encompass local, national and global concepts in portraying a connection to the biosphere. The students will access, generate, process and transfer information using appropriate technologies.

EAR 203 Earth System Science

1 Credit

Syracuse University(SUPA)

4 College Credits

Prerequisite: Biology, Earth Science, & Chemistry

With increasing global population, the threat of global warming, and a growing demand for a raw materials and energy, grasping a basic understanding of the Earth system is more important than ever. This class illustrates the interconnectedness of biologic, hydrologic atmospheric, and geologic processes in shaping our planet. You will learn how the basic elements of the Earth interact through various linkages and feedbacks that operate over timescales from a few to millions of years. A major goal is to give students a basic, yet comprehensive, view of the Earth system necessary for evaluating information and making decisions about environmental issues.

SUPA Physics PHY101

1 credit

Syracuse University

4 College Credits

Juniors & Seniors

Prerequisite: **Earth Science, Biology, Chemistry, & Algebra 2**

The course treats the traditional topics in mechanics: kinematics, Newton's laws, circular motion, gravity and planetary motion, work, energy, momentum, rotational motion, vibrations, and kinetic theory. Problem solving and conceptual understanding are stressed.

SUPA Physics PHY102

Syracuse University

1 credit

4 College Credits

Prerequisite: **Physics 101**

The second year of this sequence treats the subjects of electricity, magnetism, and optics. The specific topics are electric charge, electric fields and potentials, electric currents and circuits, magnetism and electromagnetic induction, electromagnetic waves, optics and introductory modern physics.

World Languages

Any student pursuing an Advanced Regents Diploma must pass the French or Spanish Comprehensive Exam at the conclusion of the third level.

The following courses are considered weighted:

Spanish III & French III.

French I

1 credit

French 1 is a two year course which begins in Middle School. Students earn one High School credit for the two years of study, and begin a High School sequence. Conversation is stressed and students also build listening, reading and writing skills.

French II

1 credit

A continuation of French I. The 15 topics New York State Syllabus are covered with equal emphasis on the four language skills: reading, writing, listening, and speaking.

French III

1 credit

A continuation of French II. The 15 topic New York State Syllabus are covered in depth with equal emphasis on the four basic language skills. A Comprehensive exam will be given at the end of this course.

Spanish I

1 credit

A beginning course, which emphasizes communication and basic Spanish grammar. Students learn to interpret spoken and written Spanish with main idea and some details, to communicate with others in speaking and writing, and to present their ideas in Spanish. Students seek to understand the culture, products, and ideas from Spanish-speaking communities world-wide and locally.

Spanish II

1 credit

The first intermediate course, which continues to build on communication skills in all three modes (interpretive, interpersonal, and presentational) in more detail and through additional topics and contexts. Students communicate with more sophisticated structures and begin to use different time frames. Students seek to understand the culture, products, and ideas from Spanish-speaking communities world-wide and locally.

Spanish III

1 credit

The second intermediate course, which continues to build on communication skills in all three modes (interpretive, interpersonal, and presentational) in more detail and through additional topics and contexts. Students communicate with more sophisticated structures and can communicate in the past, present, and future time frames. Students seek to understand the culture, products, and ideas from Spanish-speaking communities world-wide and locally. Students continue to develop the four skills of listening, speaking, reading and writing according to the fifteen topics and standards mandated by the New York State Syllabus. A comprehensive exam will be given at the end of this course.

Art

**The Following course is considered weighted:
JCC Drawing****Studio in Art**

1 credit

Here is a course designed to give you, as an expressive being, a chance to gain a variety of skills and to use a variety of tools and materials to produce two and three-dimensional works of Art. Included in this program are methods of learning to draw that really work. Even if you have never held a pencil before, you can learn to draw to such a degree that your parents and friends will be amazed. You will be amazed too. The lessons start slowly, using such materials as pencil, charcoal, pastels, ink, and markers. Other modules will include: Ceramic Clay to produce pottery and sculpture, painting with watercolor, Calligraphy, the art of fancy lettering.

Painting

.5 credit

Prerequisite: **Studio Art**

This half year course will expose students to a variety painting techniques and materials such as watercolor, tempera, acrylic and oil paints. The art students will produce works of art that explore different kinds of subject matter, topics and themes. A greater emphasis is placed upon personal development of style and the increased competence that results from having taken previous art courses.

JCC Drawing ART 1510

1 credit
3 College Credits

Prerequisite: **Studio Art**

Students will gain a working knowledge of foundation skills and abilities in artistic visual expression. Students are introduced to drawing media and concepts. Students learn to draw perceived objects and become able to discuss the drawings meaningfully

Creative Crafts

.5 credit

Folk art and craft was an experiment that worked. This is a course where crafts from around the world are done. The projects come from ones that the student enjoyed the most during the last ten years and some new ideas for projects that have been researched by the instructor and students. Materials for handmade crafts are clay, wood, glass, fibers, leather, metals, and more. Some highlights include: Ceramics & pottery, glass & metal etching. Metal shipping and piercing, jewelry making, carving and sculpture, musical instruments, and more!

Business

The Following course is considered weighted:

CSC1560 Microcomputer App., BUS1410 Accounting, BUS 1500 Intro. To Business, BUS1610 Personal Finance, CSC 1530 Web Publishing, & CSC1570 Programming Concepts

Programming Concepts CSC 1570

.5 credit

Prerequisite: QAS Test 255+

3 College Credits

Students will learn the components of the programming cycle including problem analysis, algorithm development, design implementation, debugging, and acceptable documentation standards. Students will implement their algorithms using an object-oriented programming language.

Accounting BUS1410

1 credit

3 College Credits

Students will gain a broad view of accounting's role in satisfying society's need for financial information. In an overview of the accounting profession, students will understand generally accepted accounting principles underlying the design, integrity, and effectiveness of accounting information systems.

Providing relevant financial statements for the decision maker and the use of computers to generate financial information are outlined.

BUS 1610 Personal Finance

.5 credit

Prerequisite: **Next Gen Test:250+**

3 College Credits

Students will gain an appreciation of the need for personal financial planning and will learn how to apply such planning to goal setting and budgets. They will evaluate exposures to risk and how insurance fits into a risk management plan. Students will have the ability to coordinate income, assets, and spending into a comprehensive program that takes the planner through the various stages of their life cycle, from college to retirement.

Web Publishing CSC1530

.5 credit

3 College Credits

Students will study HTML language, usability concepts, and embedding JavaScript programming code. Students will design web pages using tables, forms, cascading style sheets, multimedia, and JavaScript. Students will also learn how to publish a web page with video clips and sound.

Microcomputer Applications CSC1560

1 credit

Prerequisite: **QAS test 255+**

4 College Credits

Students use application software such as Microsoft Office to study word processing, spreadsheets, database management, and presentation software. The integration and practical application of these topics is stressed throughout the course. Students will spend a substantial amount of out-of-class time working on computer projects.

Sports & Entertainment Marketing

.5 credit

This is a unique and innovative course designed for students with an interest in the sports and entertainment industry. This course stresses the utilization of fundamental marketing concepts and will include an orientation to the sports and pricing, marketing research, endorsements, and promotions will be part of this course. Guest speakers, case studies, field trips, videos and computer integrated activities will be incorporated into the class.

Intro. To Business BUS 1500

.5 credit

Prerequisite: **Next Gen Test 250+**

3College Credits

Students will study the elements and characteristics of a free enterprise system and will be presented an overview of functional areas of business and basic concepts of the business world. Some topics include the environment of business, organization and management of the enterprise, management of human resources and production, marketing, finance, government's role in business, social responsibility, and cultural diversity, as well as major societal issues facing today's business executives. Recommended for beginning business students and non-business majors.

10 WEEK MINI-COURSES

Travel and Tourism

.25 credit

This course introduces the students to the history, function, and structure of the travel, hotel, restaurant, and recreation industries. The course describes the development of water, land, and air transportation, and looks at the history of the accommodations industry. Students will be introduced to the structure of various industry components and current issues and opportunities will be analyzed. Students will examine the positive and negative impacts the tourism activity has on both the economic and social well-being of both host and guest. Lessons learned from this examination will be applied to a consideration of tourism planning priorities at the community level.

Culinary Basics

.25 credit

Students investigate food safety and sanitation, explore culinary preparation foundations, practice basic culinary skills, explore diverse cuisines and service styles, investigate nutrition and menu development, and examine the economics of food.

Technology

Introduction to Engineering Design

1 credit

Students are introduced to the basic concepts of engineering and design using Solid works 3 dimensional engineering design software. The goal of this course is to teach the fundamental skills and concepts to build parametric models parts and assemblies and how to make simple drawings of those parts and assemblies.

Digital Media

.5 credit

This course introduces the tools, techniques, and concepts behind the production of digital media. Application of digital media technologies including operating systems, hardware, software, and multimedia design are explored.

Video Production/Editing

1 credit

Introduces students to producing and editing digital videos. Emphasis is placed on the use of portable video equipment, lighting, audio and video graphic skills. Learn to edit footage, add transitions, sync sound, add titles and credits. Filming, lighting, script writing, editing, post-production and the incorporation of special effects using 2D & 3D elements are all part of this highly intensive program.

Architectural Design

1 credit

Architectural design is a course for those students that would like to learn the basics of residential constructions. Students will be taught the different phases of a building project, including financing, blueprint design and reading, and construction techniques. Students will design and build a model house to showcase their design and construction techniques.

Health & Physical Education**Physical Education**

.5 credit

NYS Graduation Requirement

All students in grades 9-12 will actively participate in Physical Education class and meet the curriculum standards associated with the class. Students will be responsible for a written assignment each quarter in addition to active participation during each class.

Students must take one Physical Education class each year that they are in high school. 2 units of credit are required for graduation.

Fitness for Life

.5 credit

This alternative physical education class will focus on Strength Training, Core Body Exercises and Cardio respiratory Fitness Activities. Students will also be creating a workout session to teach to and to perform with the class.

Weight Lifting

.5 credit

Open to: Sophomores, Juniors, & Seniors.

A class for fitness minded students who want to learn and practice proper muscle building exercises in the weight room and satisfy their Physical Education requirement. The goal of the class is to allow students who want to learn how to properly format a daily exercise plan with an array of modern exercise technique. As a student of this class, you will be expected to follow specific exercises each class and you will be graded on your effort and knowledge of those exercises.

High School Health

.5 credit

Open to: Juniors & Seniors Only

NYS Graduation requirement

The World Health Organization states that Health is a state of complete physical and social well-being, not merely the absence of disease or infirmity. Upon completion of this course, a student will have the basic understanding of the components of Health. This class will also fulfill the NYS Education Department requirement for parenting education.

MUSIC

High School Band

.5 credit

The ECS Band meets all year, and is open to all students in grades 9 through 12 who play a brass, percussion, or woodwind instrument. This group performs many times during the school year for concerts, community activities, and special performances. Band concerts are mandatory and graded. Students are required to attend group lessons on a weekly basis. In addition, students will have individual opportunities to participate in events like CCMTA & NYSSMA Solo Festivals, CCMTA All-County and All-State. The course is designed to provide an opportunity for the instrumentalist to expand his/her knowledge of their instrument and to continue development of music appreciation and understanding through study and performance of examples of various genres of music literature.

High School Chorus

.5 credit

The student will be given the opportunity to appreciate and perform a variety of music in three or four part harmony. Through performances the student will develop a mastery of the elements of music. Hopefully, they will develop a love of choral music and be a performer and an appreciative listener the rest of their lives. In addition, students will have individual opportunities to participate in events like CCMTA & NYSSMA Solo Festivals, CCMTA All-County and All-State.

Music Theory

.5 credit

Students will study the basic fundamentals of music; such as major and minor scales, intervals and chord structures, etc. This course is designed for Band and Chorus students only and it is essential that the student knows how to read music as a prerequisite to taking this course.

Learn a 2nd Instrument(Band 102)

.5 credit

Any 9th – 12th grade band student can learn a 2nd band instrument of their choice. Our class will perform in the last concert of the year. Student will learn a Level 2 NYSSMA solo and 3 Major Scales.

*Student must have his or her own (purchase/rent) instrument and supplies.

*Student must be in band.

Career and Technical Education

Sophomores are introduced to the Career and Technical Education courses offered at BOCES through an orientation program. Students may elect to attend BOCES in their Junior and Senior years. Most courses are offered in a two-year certificate program but one-year certificates can also be earned.

IN ORDER TO BE ELIGIBLE TO ATTEND BOCES, STUDENTS MUST HAVE SUCCESSFULLY COMPLETED ALL REQUIRED COURSES IN 9TH & 10TH GRADE.

STUDENTS WHO FAIL A CLASS WILL NOT BE ABLE TO ATTEND!

Career and Technical Education programs at the Ellicottville Career include:

- Animal Science
- Auto Technology
- Carpentry & Construction Trades
- Collision Repair/Auto Body
- Cosmetology
- Criminal Justice
- Culinary Arts
- Early Childhood/Human Services
- Heavy Equipment Operations
- Media Communication Technology
- Medical Assisting
- Natural Resources
- Power Equipment Technology
- Product Design & Manufacturing
- Welding