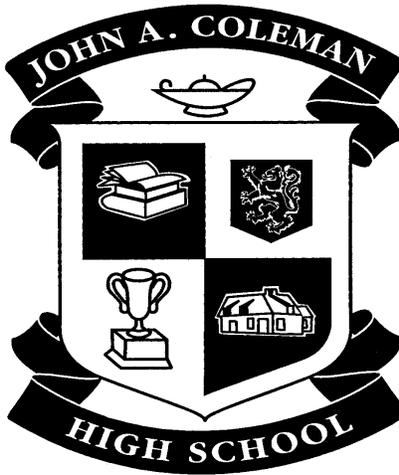


John A. Coleman Catholic High School

Inspiring the Courage to Lead and a Commitment to Serve



RESPECT • RESPONSIBILITY • RELIGION

Course Selection Handbook 2019 – 2020

Program of Studies

430 Hurley Avenue
Hurley, NY 12443
(845) 338-2750
Fax: (845) 338-0250

Coleman Catholic H.S. is an independent, co-educational secondary school licensed by the State of New York and accredited by the Accredited Internationally by AdvancED® (Advance Education, Inc.)

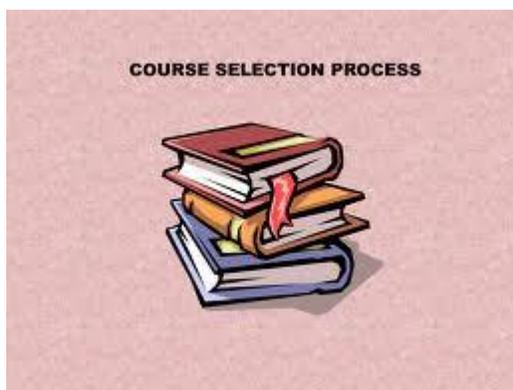
Co-Principals: Mrs. Ellen Anderson and Ms. Marie Anderson
Director of Guidance: Sr. Elizabeth DiTolla
Dean of Students: Mr. David Goho

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John A Coleman Catholic High School
Program of Studies
2019 – 2020

This booklet is designed to acquaint you with the courses available at John A Coleman Catholic High School. Careful consideration should be given to your abilities, interests, and aptitudes when choosing courses. Requirements for high school graduation and for college admission are also important factors in course selection. Students should consult with parents, teachers, and guidance counselors when selecting courses.

General Guidelines:

- Each 9th and 10th grade student takes a minimum of 7 credits.
- Each 11th and 12th grade student takes a minimum of 6 credits.
- It is the student's responsibility to check with his/her guidance counselor to ensure that the necessary academic requirements for graduation are being fulfilled.
- Parents must sign the course selection sheet and return it to Guidance before the courses will be accepted and scheduled.
- Final schedules will be mailed in August. Any schedule change requests must be made in writing by the third week of August and will only be made, if necessary, upon the recommendation and determination of the parents, guidance counselor, and teacher.
- Coleman Catholic H.S. reserves the right to cancel any course listed in this handbook if there are not enough students enrolled.
- Departmental Approval on any course usually means that the department is looking for an average in the student's prior year in order to be considered for an Advanced Placement course. Some exceptions are made.
- Call the Director of Guidance with any questions regarding course selection or availability.

WEIGHTED COURSE GRADES:

The weighted grading system acknowledges those students who excel in scholarship and who are enrolled in more difficult subjects. The weighting system assigns a factor to the raw grade in each subject when averages are computed.

Course Designation Weight

Regents/General	1.00
Honors	1.02
College	1.04
AP	1.06

COLEMAN REQUIREMENTS FOR GRADUATION

(Includes NYS Regents requirements)

REGENTS DIPLOMA:

COURSE REQUIREMENTS

4 credits Religion
4 credits English
4 credits Social Studies
3 credits Math
3 credits Science
2 credits Foreign Language credit
1 credit Art or Music
.5 credit Health
2 credits Physical Education (.5 each year)
2.5 credits Electives

Total Credits for Coleman students = 26

REGENTS EXAM REQUIREMENTS

65 or above on all Regents exams;

ELA (English Language Arts)

Global History & US History

Any one (1) Math

Any one (1) Regents Level Science

**Regents Diploma with Honors
is awarded to students who achieve an average
of 90% or better on all of the required
Regents exams.*

Total Regents exams = 5

REGENTS DIPLOMA WITH ADVANCED DESIGNATION:

(Prepares students for college study)

COURSE REQUIREMENTS

4 credits Religion
4 credits English
4 credits Social Studies
3 credits Math
3 credits Science
.5 credit Health
1 credit Art or Music
2 credits Physical Ed.
3 credits Foreign Language
2.5 credits Electives

Total Credits for Coleman students = 27

REGENTS EXAM REQUIREMENTS

65 or above on all Regents exams;

ELA (English Language Arts)

Global History & US History

Algebra I

Geometry

Algebra II

2 Science (1 physical/1 life science)

LOTE Assessment Exam

Total Regents exams = 8

(+ Foreign Language Assessment Exam)

**** Students at Coleman are required to complete 2 years of a Foreign Language.**

**** An Advanced Regents WITH HONORS is awarded to students with an average on all Regents exams of 90% or higher.**

**** Coleman Catholic H.S. recommends that students take at least 3 years of a language, 4 years of Math and Science in preparation for college and SAT success.**

COURSE SELECTION GUIDELINES:

A John A. Coleman Catholic High School Diploma, a New York State Regents Diploma, or an Advanced Regents Diploma, requires our students and parents to carefully plan a course of study that accommodates an individual's goals for each year of their secondary education and the years following graduation.

The finality of a student's choices in courses for the upcoming school year may change due to a number of factors including: the final grade in a course, changes in school/course enrollment, scheduling conflicts and faculty availability.

Students and parents are asked to consider and follow these guidelines:

- Carefully review the course descriptions and note any prerequisites for courses
- Realistically evaluate your abilities and potential
- Consult with parents, teachers and counselors
- Check graduation and diploma requirements
- Return the signed course selection form to the guidance office on the date designated

The school reserves the right to cancel or not offer courses based on insufficient enrollment. Students will be given the opportunity to adjust their schedules in the event a course is not offered.

Advanced Placement and College Credit Program

Students at Coleman Catholic H.S. may earn a number of college credits while fulfilling all the New York State Board of Regents requirements for high school diplomas and graduation.

Advanced Placement (AP):

AP courses offer students the opportunity to take college-level courses while still in high school. Students who contemplate registering and enrolling in Advanced Placement courses need to consider the demands and workload of a college-level curriculum. Academic success in these courses is determined not only by work performed in the class setting, but the completion of assignments beyond class time.

Some topics covered are cumulative and require considerable critical thinking. Regular school attendance, including a minimal number of tardiness and dismissals, is required. Successful completion of an AP course and AP exam could possibly earn you credit at a U.S. or Canadian college or university.

Summer assignments are often included as a prerequisite for many of our college level classes. Students should consider these challenging courses and should be aware of the time commitment and prerequisites required to obtain success. There are fees associated with **college courses**. The fee for AP exams is determined by the College Board and changes each year. Students participating in the AP program are required to take the AP Exam in May.

AP Courses:

- AP US History
- AP English Language and Composition
- AP English Literature and Composition
- AP Calculus AB
- AP US Government & Politics
- AP Environmental Science
- AP Physics 1
- Other AP courses are offered through JVLA

College Credit Program:

Writing for College	Marist College	3 credits
College Algebra & Trig	Ulster County Community College	3 credits
Pre-Calculus	Ulster County Community College	4 credits
Calculus	Ulster County Community College	4 credits
Spanish IV	Ulster County Community College	4 credits
Spanish V	Ulster County Community College	4 credits
French IV	Ulster County Community College	4 credits
French V	Ulster County Community College	4 credits

If students choose to take the course for college credit, registration will take place at the beginning of the school year in the respective class.

Options for Online Elective Courses:

Jesuit Virtual Learning Academy (JVLA):

Fee: Approximately \$370.00 for a full year course/\$265.00 for a semester course

Grade Level: 11-12

Prerequisite: Approval of Guidance Counselor

Description: Coleman utilizes The Jesuit Virtual Learning Academy (JVLA) to provide additional curricular opportunities to its students that will enable them to pursue interests that help them grow intellectually, spiritually and socially. Coleman Catholic H.S. participates in a consortium with other Jesuit schools that offer online courses taught by faculty members from other Jesuit high schools from around the country. Though the delivery will be different, just like the traditional classroom, there will be lectures, discussions, projects, reading assignments and more. There are a variety of courses offered from technology to Advanced Placement. If you are interested in learning more about these courses, please contact your Guidance Counselor for more information.

Greystone Program through Marist College:

Fee: \$399.00

Grade Level: 11-12

College Credits: 3

Course Level: College

Prerequisite: Approval of Guidance Counselor

Description: The Greystone Program through Marist College offers college level courses through an online bridge program, at a significantly reduced rate to program participants. The Greystone Program allows students the opportunity to earn college credits and continue their course of studies in high school. Credits earned may be applied to degree programs at Marist College or may be transferred to other colleges or universities (this is at the discretion of each university).

If interested in this option, please see your Guidance Counselor in advance by the end of your sophomore or junior year.

Educere:

Fee: Approximately \$300 (varies by course)

Grade Level: 9-12

Prerequisite: Approval of Guidance Counselor

Description: Educere offers online courses for students seeking to take courses not otherwise available at Coleman Catholic High School. Programs offered are completed by the students online. If interested, students should speak with their Guidance Counselor.

Sequence of Studies

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Religion	Religion	Religion	Religion
English	English	English	English
Social Studies	Social Studies	Social Studies	Social Studies
Mathematics	Mathematics	Mathematics	Elective**
Science	Science	Science	Elective***
Language	Language	Elective*	Elective*
Phys Ed	Phys Ed	Phys Ed	Phys Ed
Art or Music	Health/Elective	Elective	Elective

* a third and fourth year of language are recommended for college

** a fourth year of mathematics is recommended for college

*** a fourth year of science is recommended for college

RELIGION:

Religion 9

Revelation & Incarnation

Full Year

Required

Credit: 1.00

The first semester of this course gives students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally. The second semester introduces students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

Religion 10

Paschal Mystery & Ecclesiology

Full Year

Required

Credit: 1.00

The first semester of this course helps students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. The second semester helps the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Religion 11

Sacraments & Life in Jesus Christ

Full Year

Required

Credit: 1.00

The first semester of this course helps students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. The second semester helps students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Religion 12

Christian Themes in Literature and Film

Full Year

Required

Credit: 1.00

The senior year religion course explores the BIG questions: "What are we, human beings, like?" and "What is God like?" Christian themes, such as, faith, hope, love, sin, forgiveness, conscience, conversion, vocation, holiness, and redemption are examined as depicted in both literature and film.

ENGLISH:

English 9: Full Year Required Credit: 1.00

This freshman course is designed to initiate students into a broader understanding of the various genres of literature while developing verbal and writing skills. Emphasis is placed on literary techniques, reading, writing, listening, speaking, grammar, and vocabulary, both in literature and as separate disciplines. Texts may include: *The Odyssey*, *Romeo and Juliet*, *Night*, *Chinese Cinderella*, and various short stories, poems, and myths.

English 10 and English 10 Honors: Full Year Required Credit: 1.00

In this sophomore course, emphasis is on American literature, using a chronological approach to develop an appreciation of American themes and styles. Reading, writing, listening, speaking, grammar, and vocabulary skills are reviewed and developed.

Pre-requisite: English 9

English 11: Full Year Required Credit: 1.00

This junior course uses the literature of Britain as a basis for study. At every stage emphasis is on reading, writing, listening, and speaking. In addition to the class text, supplementary reading broadens the students' backgrounds.

Pre-requisite: English 9 & 10

Students must take the NYS Regents Exam in English Language Arts.

English 11 AP (AP English Language and Composition) Full Year Credit: 1.00

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Pre-requisite: English 9 & 10 & department approval

Students must take the NYS Regents Exam in English Language Arts.

Students must take the AP English Language and Composition Exam in May.

Senior Year English (One of the following three required):

English 12: Full Year Credit: 1.00

This senior course reinforces and advances the fluent writing of sentences, paragraphs, and essays. It reinforces the conventional rules of grammar, mechanics, and sentence structure. Emphasis is given to writing, listening, and speaking skills. Library and research skills will be reinforced with the step-by-step production of a major research paper.

Pre-requisite: English 9, 10 & 11

English 12 AP (AP English Literature and Composition): Full Year Credit: 1.00

This senior course will be an intensive study of literature (fiction, poetry, and drama) to develop the student's awareness of the English language, to develop skills in critical reading and writing, and to learn to analyze literature clearly and correctly. Emphasis is placed upon the interconnectedness of classic literature and the debt students of literature owe the ancient civilizations. Texts may include: *Pride and Prejudice*, *Wuthering Heights*, *Heart of Darkness*, *the Awakening*, and *Othello*. The English department recommends that students take both AP English and Writing for College in tandem.

Pre-requisite: English 9, 10, 11 & department approval

Students must take the AP English Literature and Composition Exam in May.

Writing for College: Full Year Credit: 1.00

This senior course will be an intensive study of writing. The class resembles and emulates the college Freshman Writing Seminar that is required for nearly all college degree programs. In Writing for College, emphasis is placed on expository composition and the various rhetorical modes. Critical reading, thinking, and analysis skills will be further developed, as students read and analyze a variety of nonfiction pieces throughout the year. This course may be used in place of or in conjunction with English 12, and this course pairs well with AP English Literature and Composition.

Note: Eligible Students may earn 3 credits through Marist College as well as a Marist College Transcript, which is transferable to most colleges. If students wish to pursue this opportunity, a fee is charged at the beginning of the school year.

Pre-requisite: English 9, 10, 11 & department approval

English Electives:

Creative Writing Full Year Credit: 1.00

Students will develop their composition skills through creative expression. Students will prepare a written portfolio and maintain a journal. Topics covered will include non-fiction biography, formal and informal essays, poetic forms, short stories, and one-act plays. Access to a word processing program and printer are required.

Speech/Oral Communication Semester Credit: 0.50

Students learn to speak effectively in both formal and informal settings. They will develop insight into the structure and purpose of the speech process. Similarly, students will form an appreciation of speech in their daily lives. Topics and skills covered include discussion, group dynamics, audience, delivery, listening, and interpretation.

SOCIAL STUDIES:

Global Studies I: Full Year Required Credit: 1.00

This course for 9th graders is the first of a two-year sequence designed to develop historical and cultural comprehension of various regions and nations outside North America up to the year 1750. The geography, history and culture of each of these areas will be studied. Material in this course will tie into the second year of Global Studies taken in grade. A final exam is given in June.

Global Studies II and Global Studies II Honors: Full Year Required Credit: 1.00

The second year of this sequence is for 10th graders and will cover the formation of the contemporary world by examining the spread of civilization from 1750 to present day topics. This course will focus on changes in technology, political organizations and major historical events from this period. Throughout this course, the importance of geography in determining human actions and interactions will be emphasized. **Students must take the NYS Regents Exam in Global Studies.**

Pre-requisite: Global I

United States History: Full Year Required Credit: 1.00

United States History and Government is a one-year course that begins with the foundations of the United States of America and will conclude with the present day. This course focuses on the use of analytical and critical thinking skills, which are necessary to comprehend the complexities of American history. Political, economic, sociological, and cultural viewpoints will be utilized in an effort to examine the past through multiple perspectives. In addition, the key roles that race, class, and gender played in shaping institutions, political power, and American cultural practices will be studied. **Students must take the NYS Regents Exam in U.S. History and Government.**

Pre-requisite: Global I & Global II

AP and Honors United States History: Full Year Credit: 1.00

The Advanced Placement/Honors course in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials--their relevance to a given interpretive problem, their reliability, and their importance-- and to weigh the evidence and interpretations presented in historical scholarship. Students will develop skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. **Students must take the NYS Regents Exam in U.S. History and Government. AP students must take the AP U.S. History Exam in May.**

Pre-requisite: Recommendation of history teacher and approval of instructor

Humanities with Economics: Full Year Credit: 1.00

This senior year course provides a college preparatory experience for student through the study of culture, the arts, and the economies of civilizations. History, economics, literature, fine arts, philosophy, and music from the past to the present are explored and compared with emphasis on both oral and written analysis. The course introduces the use of critical thinking skills in the context of human conflict. Emphasis is on evaluating information, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts. Students will be able to engage in rational discussions using reasons, arguments, exploration of consequences and motives to explore the complexities of human relations. This course will meet the State Standards for senior level credit in Social Studies.

AP US Government & Politics with Economics: Full Year Credit: 1.00

There are several goals for this course. It will provide students the opportunity to explore the theoretical and philosophical underpinnings for the framework of the Constitution. It will allow the students to better understand, comprehend, and observe Constitutional principles in action by analyzing the structure of the United States federal government. It will illuminate trends in the United States political and economic environment over the past 220 years. The students will pay special attention to political parties and interest groups. Lastly, the course will foster analysis of contemporary political and economic issues at the international, national, and state levels.

Pre-requisites: departmental approval and an 85% or better average in US History.

Students must take the AP U.S. Government and Politics Exam in May.

Social Studies Electives:

Psychology: Semester Credit: 0.50

This is an elective course open to juniors and seniors. Through the study of Psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others. Students should be able to understand the many faceted areas that make up the study of Psychology. The students should be able to utilize the scientific method, describe behavioral characteristics and to understand human behavior as it is seen from physical surroundings, social influences and cultural differences.

Sociology: Semester Credit: 0.50

This elective course is open to juniors and seniors. Students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values, and behavior patterns of others. In an increasingly interdependent world, students

need to recognize how group behavior affects both the individual and society.

Greco-Roman History

Semester

Credit: 0.50

This course is an in-depth survey of both ancient Greek and Roman civilizations. The first half of the course focuses on ancient Greek history, culture, art and architecture, philosophy, drama, poetry, democracy, and mythology from the time of the Minoans to the Hellenistic Period. The second half of the course focuses on ancient Roman history, culture, art and architecture, use of the arch and concrete, imperialism, poetry, mythology, and rise of Christianity from the Etruscan Period to the fall of the Late Roman Empire (Byzantine). Students will obtain a vast knowledge and appreciation for the impact that both of these great ancient civilizations had on the modern world in which we live. Students will also complete an art project that replicates in style and form a historic example from ancient Greece or Rome.

Latin American Studies

Semester

Credit: 0.50

This course provides students with an understanding of the many facets of Latin America: its literature and history, its culture, economics and politics. Explore the rich history and culture of Latin America through written word and film. Beginning with indigenous Americans and reaching into the 21st century, students will examine the lives of those in Latin America through a multitude of perspectives.

MATHEMATICS:

Three of the following math courses are required for graduation

Algebra IA (Pre-Algebra):

Full Year

Credit: 1.00

Algebra IA is the first year of a two-year Algebra I course designed for students who need additional practice working with mathematical concepts and techniques. Topics that will be covered are operations and properties of number systems as well as the writing, solving, and application of algebraic equations. Use of these skills will be extended to working on proportions, geometry, and trigonometry, and the year will conclude with graphing linear equations. A scientific or TI-83 graphics calculator will be required.

Algebra I:

Full Year

Required

Credit: 1.00

Algebra I is the first mathematics course in high school. Students will be assisted in developing skills, processes and techniques to solve problems in settings such as science, business and technology. Solutions will entail working with linear equations, quadratic equations and systems of equations, as well as absolute value, exponential functions and coordinate geometry. Additionally, problems will be solved requiring right triangle trigonometry, probability and statistics. A scientific calculator or a TI 83 Plus graphics calculator is required. **Students must take the NYS Algebra Common Core Exam.**

Geometry and Geometry Honors:

Full Year

Credit: 1.00

Geometry is the tenth-grade course open to students who have passed both the Algebra 1 course and/or the Common Core examination. The emphasis in Geometry is proof and it is developed as a postulation system of reasoning beginning with definitions, postulates and the laws of reasoning. Students will apply the laws of logic to traditional deductive proof in geometry, both direct and indirect. Integrated throughout the course are topics of plane geometry such as coordinate geometry, transformational geometry, similarity and geometry of the circle. Other topics covered are solid geometry, locus and construction. A compass, protractor, ruler, and graphics calculator are required.

Students must take the NYS Geometry Common Core Exam.

Pre-requisite: 80% or higher on the CC Algebra Regents and Department approval.

Topics in Geometry:

Full Year

Credit: 1:00

This course is a non-Regents course for sophomores and juniors. Concepts explored include properties and measurements of angles, polygons, circles, and solid figures. There is a strong emphasis on algebraic skills as applied to geometric figures. Theorems are presented and their application to problems explored, however, formal proof is not required. A scientific calculator, compass, protractor and ruler are required.

Algebra II:

Full Year

Credit: 1.00

This course represents the third year of a 3-year New York State sequence in mathematics that can lead to an advanced regent's diploma. Algebra II is open to students who have completed Integrated Algebra I and Geometry as their first two math courses. This course presents a range of curricula that are guidelines for achieving a high level of excellence in a student's understanding of mathematics. Topics that will be studied include: integers, rational numbers, real numbers and radicals, relations and functions, quadratic functions and complex numbers, sequences and series, exponential functions, logarithmic functions, trigonometric functions, graphs of trigonometric functions, trigonometric identities, trigonometric equations and applications, statistics, probability. A TI-84 Plus Graphics calculator is required. **Students must take the NYS Algebra II Regents Exam.**

Pre-requisite: 80% or higher in both Algebra I & Geometry with Department approval.

Business Mathematics:

Full Year

Credit: 1.00

This course emphasizes mathematical concepts found in business situations. Topics include: basic mathematical skills, mathematical skills in business-related problem solving, mathematical information for documents, graphs, and mathematical problems using electronic calculators (not to include the touch method).

College Algebra & Trig:

Full Year

Credit: 1.00

This course is a one-year study of College Algebra. Students who register with the Collegian Program offered through Ulster County Community College, upon successful completion of the course with a C or better, will receive 3 transferable college credits from Ulster County Community College. The format of this course helps students to see that a problem can be solved in more than one way and see that different methods yield the same result. Topics to be discussed include: The Real Numbers, Exponents and Radicals, Polynomials and Factoring, Rational Expressions, The Cartesian Plane, Exploring Data Graphically, Functions and Their Graphs, Solving Equations and Inequalities, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric Functions, and Linear Systems. A TI 83 Plus Graphics calculator is required. A college final will be given in late May.

Pre-requisites: Algebra I or Geometry with departmental approval

Pre-Calculus:

Full Year

Credit: 1.00

This course is designed to bridge the gap between Algebra II and Calculus. Topics covered include the theory of equations, polynomial and rational functions, sequences and series, exponential and logarithmic functions, conic sections, limits and introduction to calculus. Students may be eligible to receive credit from SUNY Ulster at the conclusion of the course.

Pre-requisite: 80 or better average in Algebra II with departmental approval

AP Calculus AB:

Full Year

Credit: 1.00

This is an introductory college level calculus course. Students will be prepared to take the Advanced Placement Calculus AB examination. Students will apply calculus to solve real-world problems. Students will learn to use graphing calculator technology extensively. Course study will include properties of functions, limits, differential calculus, and integral calculus. Use of symbolic differentiation and integration utilities is also included. A summer assignment will be given.

Pre-requisite: 80 or better average in Pre-Calculus with departmental approval

Students must take the AP Calculus AB Exam in May.

SCIENCE:

Three science courses are required for graduation – *two must be lab sciences*

Earth Science:

Full Year

Credit: 1.00

Through laboratory investigations, lectures and class discussion, students gain an understanding and appreciation for the planet Earth and its relative place in the universe. Topics include the size and shape of the earth, mapping, rocks and minerals, earthquakes and volcanoes, weathering and erosion, geologic history, meteorology, climates, astronomy, and environmental awareness. This is a Regents level course and requires a minimum of 1200 minutes of laboratory exercises. **Students must take the NYS Earth Science Regents Exam.**

Living Environment (Biology):

Full Year

Credit: 1.00

This course is designed to promote student understanding and application of scientific concepts, principles and theories pertaining to the physical setting and living environment. The following themes will be emphasized: genetics, ecology, evolution, classification, biotechnology, biodiversity, homeostasis, systems and interactions, energy and the nature of science. This course is Regents level and requires minimum lab performance of 1200 minutes. **Students must take the NYS Biology Regents Exam.**

Chemistry:

Full Year

Credit: 1.00

This lab-oriented course provides students with a general understanding of atomic structure, chemical bonding, periodic trends, stoichiometry, thermochemistry, laws of gases, solutions, reaction kinetics, chemical equilibrium, acid/base theory, oxidation-reduction reactions, organic chemistry, and nuclear chemistry. This is a Regents level, math intensive course and requires a minimum of 1,200 lab minutes. **Students must take the NYS Chemistry Regents Exam.**

Pre-requisite: Algebra I, Geometry

Physics:

Full Year

Credit: 1.00

This lab-oriented course provides students with an investigation of kinematics, forces, momentum, energy and work, electricity and magnetism, wave phenomena, light properties, modern physics, and nuclear physics. The course stresses the mathematical relationship between theory and observed physical phenomena. This is a Regents level course and requires a minimum of 1,200 lab minutes. **Students must take the NYS Physics Regents Exam.**

Pre-requisite: Geometry

Topics in Chemistry and Physics

Semester

Credit: 0.50

This course explores the fundamentals of chemistry and physics with an emphasis on everyday applications and the causes behind how these fundamentals affect our everyday lives. There will be some lab work and hands-on experiences. Various topics in the fields of chemistry and physics will be covered, such as: mechanics, waves, Newton's Laws, and properties of matter.

Astronomy:

Semester

Credit: 0.50

This course offers a visual and graphic-based survey of the most up-to-date understanding of the cosmos. This course includes topics such as simple rotations and composition of the Sun, Earth and Moon; the origins, evolution and layout of the Solar System including the terrestrial planets, Jovian planets and moons; the births, lives and deaths of low-mass and high-mass stars focusing on nuclear fusion and the role of supernovae in the dispensation of chemical elements; the origins and layout of the Milky Way Galaxy; other galaxies including the Andromeda Galaxy, Triangulum Galaxy and other galaxies in our Local Group; the formation and evolution of galaxies; the origin and fate of the universe including a survey of ancient ways of viewing the cosmos, gravity, mass, relativity and space-time. Included in the course is a lab that introduces students to astronomical observation with the use of an Orion reflector telescope.

Forensics:

Semester

Credit: 0.50

This course will be offered to seniors as a science elective. The course will introduce students to basic techniques in the study of forensic science. Topics such as evidence, crime scenes, fingerprints, ballistics, trace evidence, handwriting analysis, and DNA will be covered. There will not be a required lab period for this course.

Ecology:

Semester

Credit: 0.50

Ecology is the study of the interactions between organisms and their environment. This course provides a background in the fundamental principles of ecological science, including concepts of natural selection, population and community ecology, biodiversity, and sustainability. Students will acquire an “ecological literacy” about how the natural world works and develop an understanding of how scientific methods are used to construct ecological knowledge. The course will also explore some of today’s major ecological challenges and will include hands-on participation.

AP Environmental Science

Full Year

Credit: 1.00

This course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry and geography.

Students must take the AP Environmental Science Exam in May.

AP Physics 1

Full Year

Credit: 1.00

This is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquire-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. This course has a laboratory requirement.

Students must take the AP Physics 1 Exam in May.

FOREIGN LANGUAGE:

Two sequential years of a foreign language are required to graduate with a Regents Diploma. If students plan on earning an Advanced Regents Diploma, the requirement is a 3-year sequence in a foreign language with a LOTE competency exam.

Spanish

Spanish I:

Full Year

Credit: 1.00

Activities toward the enrichment of listening and reading comprehension skills, together with the development of speaking and writing skills, will be the main goals stressed at this level. The learning of vocabulary in different topics and the grammatical structures will help to achieve all of the above. All the topics to be covered will be accompanied by an introduction to different aspects of the culture of Spanish-speaking countries, which will enhance the students' general knowledge. Each unit will include one or two projects where cultural issues will be addressed giving the students the opportunity to acquire a profound knowledge of them and satisfy their cultural curiosity.

Spanish II & Spanish II Honors:

Full Year

Credit: 1.00

Spanish II continues the development of language skills through expansion of vocabulary, study of grammatical structures of higher complexity, more intense listening and reading comprehension practices, and increased number of conversations on the topic under consideration and the development of more complex writing styles that will favor the perfecting of these skills. All the topics to be covered will be accompanied by a deeper study of the culture of Spanish-speaking countries, which will continue to enhance the students' general knowledge. Each unit will include one or two projects where cultural issues will be addressed.

Prerequisite: Spanish I or a grade of 85% or higher at the Placement Test for freshmen

Spanish III:

Full Year

Credit: 1.00

Spanish III is an intensive course, stressing listening, speaking, reading, and writing skills at a more advanced level. Students expand their vocabulary and practice using more advanced grammar structures, including expression of ideas in the Future, Conditional, Imperative, and Subjunctive modes. Communicative activities in pairs, small and large groups are an integral part of the learning environment. Students will take the Language Other than English (LOTE) examination in June.

Pre-requisite: Spanish II

Spanish IV:

Full Year

Credit: 1.00

Spanish IV covers the equivalent of a third/fourth-semester course of Intermediate Spanish (SPA 210). It is conducted almost exclusively in Spanish. Emphasis is given to spoken and written communication. Students read Spanish literature and current-event articles, view Spanish films, and review and expand on grammar issues. Accuracy and flexibility of expressions are developed through discussion, oral presentations, and expository writing.

Successful completion of the course may allow students to earn 4 credits from SUNY Ulster. In preparation for the course, students are required to work on assignments over the summer break.

Pre-requisite: Spanish III

Spanish V:

Full Year

Credit: 1.00

Spanish V covers the equivalent of a fifth/sixth-semester college course of Advanced Spanish composition and conversation (SPA 301). It is conducted almost exclusively in Spanish. Course objectives include comprehending formal and informal spoken Spanish, acquiring a broad vocabulary, exercising the full spectrum of grammatical expression, and increasing knowledge and understanding of Spanish culture and history. The course goal is developing accuracy and fluency in the interpretive, interpersonal, and presentational modes of communication.

Successful completion of the course may allow students to earn 3 credits from SUNY Ulster. In preparation for the course, students are required to work on assignments over the summer break.

Pre-requisite: Spanish III

French**French I:**

Full Year

Credit: 1.00

In French I, listening, speaking, reading and writing will be introduced and stressed as the main goals of this first level. An introduction to the culture of French speaking people is also presented to familiarize the students with the daily life and traditions of francophone world.

French II:

Full Year

Credit: 1.00

French II continues the development of language skills through expansion of vocabulary, the study of more involved grammatical patterns and structures, reading practice and augmented conversation. Learning of the French way of life, French attitudes and customs is continued by up to date material. Students will complete a cultural project. Oral projects, aural comprehension, and writing are emphasized.

Pre-requisite: A full year of French I

French III:

Full Year

Credit: 1.00

French III is an intensive course, which stresses listening, speaking, reading and writing on a more advanced level. Students will be expected to present oral projects. The students will take the Language Other Than English (LOTE) exam, which tests all four language skills. (This exam is a local district composed exam).

Pre-requisite: French II

French IV:

Full Year

Credit: 1.00

French IV, as an advanced course, emphasizes conversational ability through communication sequences used in conjunction with the text and augmenting vocabulary relative to everyday situations. Emphasis will be on French grammar while applying oral and written communication of short readings based on topical issues. Authentic materials and selected works from classic French literature will also be studied. (This course can be taken as an **“In the High School Program”** French college course. It will grant the student 4 college credits through Ulster County Community)

Pre-requisite: successfully have passed French III & departmental approval

French V:

Full Year

Credit: 1.00

French V further enhances students' abilities in the four communication skills, while emphasizing listening and reading. Students will learn more sophisticated vocabulary, grammar structures, and develop flexibility using all of the simple and compound tenses. Classical French Literature selections shall continue to be introduced.

(This course can be taken as an **“In the High School Program”** French college course. It will grant the student 4 college credits through Ulster County Community).

Pre-requisite: French IV

PHYSICAL EDUCATION:

Physical Education: Full Year 4 Years Required Credit: 0.50

The PE program revolved around the belief that physical fitness is important in the development of a well-rounded individual. It is designed to encourage students to incorporate physical activities into their everyday lifestyle. Students will also participate in a Physical Fitness Assessment throughout the year where they will be required to do strength and conditioning exercises.

Health: Semester Required Credit: 0.50

The Health program complies with the NYS mandate and includes the analysis of issues confronting adolescents including tobacco use, alcohol, drugs, and eating disorders. This course emphasizes responsible decision-making and planning for a healthy lifestyle. Students will examine human systems and development, positive emotional and social practices that sustain healthy relationships, disease prevention, personal health maintenance, and world health problems.

ART:

Students are required to take one credit of art or music for graduation

- All Art courses have a Pre-requisite. Students must complete Studio Art before moving on to any other art course. Most art courses will have a fee for materials.

Studio Art: Full Year Credit: 1.00

This is an introductory art class for students looking to develop their creativity and skills. This course will provide students with studio experience using a variety of media and areas of art exploration. The art curriculum will focus on the elements and principles of art and design as outlined by the New York State Education Department. While delving into all types of media we will explore the works of many artists from ancient to modern civilization. Art history and culture will be incorporated into the art experience as an advocate for art appreciation. There is a weekly sketchbook assignment due on Fridays.

Advanced Art 1, 2, 3: Full Year Credit: 1.00

This course is an opportunity for students to utilize all the knowledge and experience acquired in their previous Studio Art course, in order to create a body of work that demonstrates expertise in art. It will further develop and refine painting and drawing techniques and concepts, as well as an understanding of different types of paint media, graphic design, drawing media, pastels, charcoal and three-dimensional design. Concepts and technique are taught while incorporating art history.

Graphic Arts: Semester Credit: 0.50

This half year course is designed to utilize the students past experience in Studio Art while delving into graphic arts with a concentration on Design. This class will study all areas of art while focusing on craftsmanship and technique. Students will use and experience a variety of media while working on developing their own artistic style.

Portfolio: Full Year Credit: 1.00

This course is intended for students planning on pursuing a career in art or design. This should be taken in 11th AND twelfth grades. This course is designed to develop a portfolio suitable for all college requirements with a focus on observational drawing. This class will also help the student create their own style of art, something that comes from practice. The student will look at specific college requirements and come up with a year plan for what they want to accomplish according to

portfolio standards.

Photography: Semester Credit: 0.50
Students will learn how to use a digital camera. They will learn about shutter speeds, aperture settings, composition, and focus. They will learn what the different settings on their cameras are and how and when to use them. They will begin to use Photoshop to change and enhance their photographs. There will be several photo projects due during this course that will need to be completed during the student's own time.
Requirement: A digital camera with manual controls. (Cell phones, iPods, and point and shoot digital cameras are NOT acceptable.)
Lab Fee: \$100

Advanced Photography: Semester Credit: 0.50
Students will continue to strengthen their photography skills. More emphasis will be placed on the digital darkroom as well as on more creative photography techniques. Students will have several photography projects this semester including choosing, naming, and preparing photographs to be shown in art shows in the community.
Requirement: A digital camera with manual controls. (Cell phones, iPods, and point and shoot digital cameras are NOT acceptable.)
Lab Fee: \$100

PERFORMING ARTS:

Introduction to Music Full Year Credit: 1.00
This course is designed to meet the New York State Regents Requirement for one unit of art/music credit for those students who do not participate in a performing ensemble. Students will develop skills in critical listening and elements of music theory. The history of music is a primary focus, along with discussion and analysis of current pop music and industry trends. No prior experience in music is necessary for enrollment in this course.

Voice/Chorus: Full Year Credit: 1.00
Students will learn and perform a wide repertoire of music in two, three or four voice parts – combinations of soprano, alto, tenor, and bass – from Broadway show tunes to sacred music to pop/jazz to classical. The chorus sings at all school Masses, Graduation, Baccalaureate, various events in the community, and presents an annual Christmas Concert and Spring Cabaret. Students are required to be present for all rehearsals and events.
Pre-requisite: students should enjoy singing!

History of Musical Theater: Full Year Credit: 1.00
Students will learn about the rich history and development of American musical theater from its origins in 19th century operetta and vaudeville up to its present-day worldwide domination through reading, listening to scores, and watching movie, and live musicals. The works of all the major composers and lyricists will be covered from Gershwin, Cole Porter, and Irving Berlin to Rodgers and Hammerstein, Lerner and Lowe, Stephen Sondheim, Stephen Schwartz, and Andrew Lloyd Webber.

Acting I: Full Year Credit: 1.00
Techniques of acting are taught and developed through theater games, exercises and improvisations with an emphasis on building their skills. Scene study, interpretation, voice and diction, body movement, pantomime, characterization, and presentation will be covered. Students will work on and present scenes and monologues from contemporary and classic comedies, dramas, musical theater, movies, and television. This course will be offered every other year, alternating with Musical

Theater.

Voice: Full Year Credit: 1.00

Open to all students grades 9-12 who want to improve their vocal quality and technique. Class will focus on tone, voice placement, breathing, diction, dynamics, interpretation and style. Voice students sing with the chorus and learn the entire repertoire.

History of Drama Semester Credit: 0.50

The purpose of this course is to trace the evolution of Western drama from its inception in ancient Greece to the present day. To this end students will read, watch, and discuss plays. Students will also place each play in its broad historical context. Basic understanding of stagecraft and vocabulary will be taught. No performance background or interest is required.

OTHER ELECTIVES:

Introduction to Business: Full Year Credit: 1.00

This course will provide students with an overview of four fundamental topics in business: communication, marketing, accounting, and business law. The topics will be covered on a quarterly basis. Students will explore the programs that are used in the business world: word processing programs, spreadsheet programs, database programs, and presentation software. Topics in law, such as, the relationship between government regulations and the free market economy, making ethical decisions, the differences between criminal and civil law, judicial procedures, the economic impact of social problems in society, civil/tort law, contracts, and consumer issues will be introduced. Students will learn the foundations of marketing, developing target markets, and aligning customer needs with appropriate products/services. Students will learn basic accounting procedures for single owner businesses and partnerships. Students will build leadership skills, enhance communication, and discover the power of effective teamwork.

Student Leadership: Semester Credit: 0.50

This course will provide students with the opportunity to learn and practice leadership skills including goal setting, communication, time management, public speaking, team building, and active listening. Students will plan and implement projects that will benefit the school. Parliamentary procedure will be practiced.

Study Skills: Semester Credit: 0.50

This course provides students with supportive services to be successful in all educational settings. Students may receive instruction in a specific content or skill area, learn to organize and plan their time effectively, and develop strategies to help them successfully complete their course requirements. Emphasis is placed on students taking responsibility for being independent learners and effective communicators.

NEW VISIONS PROGRAM - *12th grade only*

The New Visions: are competitive programs seeking highly motivated, academically capable and mature high school seniors who are interested in the below career fields. Students attend classes 2 days a week and go to an internship site three days a week. By completing a New Visions program, students can receive four credits, which will be applied toward graduation from the home school. In addition, students can receive up to 9 college credits in freshman English 101, 102 and Political Science from Ulster County Community College. New Visions Performing & Visual Arts students can also receive 3 credits in introduction to Acting. The college credits are transferable to most colleges. (In order to qualify for the college English 101 credit the student must pass the Ulster County Community College entrance assessment). All students must register for courses at the college. The cost for the course is reduced for the New Visions students. By taking English, Government and Economics through New Visions, students fulfill their high school graduation requirements as well.

The New Visions class schedule still allows students to take classes at their home school.

New Visions: The below programs are eligible for the following high school credits:

2 credits New Visions Program

1 credit Social Studies 12- Honors

1 credit English 12 – Honors

PROGRAMS AVAILABLE:

Health

Education

Adv. Robotics & Engineering

Music & Audio Engineering

ADMISSION:

Students seeking admission submit an application that includes a teacher evaluation, an essay, a high school transcript, and must also attend a personal interview. Applications are available in the high school guidance office.

VO-TECH PROGRAM - *11th & 12 Graders*:

The Vocational and Technical program through the Ulster County BOCES Center provides students with the knowledge and skills needed to succeed in the 21st Century. Graduates leave the program prepared to enter college, post-secondary technical schools, and the workforce. Courses emphasize a hands-on approach and are designed for students to learn at their own pace. Courses are taught by experienced instructors with extensive job service in their respective fields.

Most of the Vo-Tech programs are approved by the New York State Education Department. NYSED approval allows students to earn their English and Math credits at BOCES for courses that are integrated into the trade curriculum. Graduates who pass an industry-based technical assessment earn the distinction of having a Career Technical Endorsement added to their Regents diplomas. Applications are available in the Guidance Office and will be filled out at course selection time.

PROGRAMS AVAILABLE:

Business & Information Systems

- Web-Based Entrepreneurship & Business (WEB)
- Graphic & Visual Arts
- Digital Design & Programming
- Music Production

Health Services

- Health Occupations Exploration

Engineering Technologies

- Custom Design/Manufacturing Technology
- CISCO & Cyber Security
- Robotics & Advanced Manufacturing

Human & Public Services

- Aviation/Drone
- Criminal Justice
- Culinary Arts
- Early Childhood Education
- Fashion Design and Merchandising
- Licensed Cosmetology
- Nursing Assistant

Trades & Industrial

- Automotive Technology
- Auto Collision Technology
- Electrical Construction
- HVAC
- Motorcycle/ Turf Management
- Welding & Metal Fabrication