

Wheatland-Chili Middle/High School

Course Descriptions – 2026-2027

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Scheduling Timeline

Scheduling for the MS/HS begins in January and finishes in March. Students fill out the course selection form with their counselor. In Middle School, students have an entire class period with the counselor to fill out the course selection form. High School students meet with Counselors during their PE classes.

Students will review Graduation Requirements (see page 4) prior to completing their course selection.

A list of requested courses for the following school year will be mailed home to parents following spring break for review.

Student schedules are created during the summer and will be mailed home in mid-August for review. Final schedules are handed out on the first day of school.

General Academic Information

Unit of Credit

A unit is the measure of credit which a student earns for successfully completing a subject for one school year. These courses meet every school day for the entire year for one class period (40 minutes). Other courses meet every school day for one period for half the year – 2 Quarters. The student receives 1/2 unit of credit, with the exception of PE which meets approximately every other day and receives 1/2 unit of credit.

Passing Grade

In order to earn course credit, a student must attain a final average of at least 65%.

Honor Roll Standards

- **High Honor Roll:** In order to qualify for High Honor Roll, students must earn an overall combined average of 93 unweighted for the quarter. Students must be passing all courses in order to obtain high honor roll.
- **Honor Roll:** To be eligible for the Honor Roll, students must earn an overall average of 85 unweighted for the quarter. Students must be passing all courses in order to obtain honor roll.

To acknowledge those who have achieved the honor roll standards, the PTA celebrates students with small gifts such as cookies, chocolate or breakfast for the first 3 quarters of the year.

Promotion Policy

In order to meet the minimum requirements for a NYS high school diploma, the student must earn an average of 5.5 units of credit per year. Wheatland-Chili requires that a minimum of **6.5 credits** be taken each year. All students should schedule at least six and one-half courses each year. The more ambitious and able students will want to take additional courses. Minimum credit requirements needed to advance to the next grade level are:

- From grade 8 to 9 must have successfully completed the 8th grade.
- From grade 9 to 10 must have earned 5.5 units
- From grade 10 to 11 must have earned 11.0 units
- From grade 11 to 12 must have earned 16.5 units

However, in order to participate in the June commencement ceremony, students must complete all requirements for graduation by June.

Summer School

Students may be automatically enrolled in summer school courses if they failed courses and/or exams during the regular school year. Regional summer school is provided to students to keep them on track for graduation with the student's cohort. Final summer school grades are averaged in with the highest quarterly averages from the failed course. Students will be provided credit recovery options until courses are passed.

Course Weighting

There are several courses offered at Wheatland-Chili that offer a substantially different level of academic challenge. A differential weighting for computing grade point averages is applied as a means of fairly assessing the academic achievement of our students. This Weighting System attempts to be specific and easily computed by parents and students. For all Advanced Placement (AP) classes, 1.05 points will be added to the final course average. No other courses receive a weighting.

Course Add/Drop Process

Course requests are shared with the family and students early in the scheduling process. Students who have engaged in the course selection process should have a well-planned schedule that does not require changes. Due to the nature of WCHS and the limited number of courses, there may be situations where students have to choose a first and second choice elective in the event the first choice does not fit in the students' schedule. Every effort will be made to ensure that students have a full schedule with both required and elective courses of their choosing.

- **Add Process** - A student may add a new course during the first two weeks of the semester.
- **Drop Process** - At any time students with extenuating circumstances may meet with the administrator to discuss course changes. WCHS reserves the right to make exceptions to the following process in cases where students may be at-risk of not graduating.

Full Year Courses (1 credit) - A student may drop a course during the first five weeks of a course with written approval. The Course Add/Drop Form is available for students in the counseling office (students will still be required to maintain a minimum course load of 6.5 credits). Any dropped course will not show on a student's report card or transcript if the schedule is changed during this five-week period.

- A student may be removed from a class after the end of the 5th week of classes by an administrator. Removals that occur after the fifth week of classes will result in a WP (Withdrawn Pass) or WF (Withdrawn Fail) appearing on the student's report card and transcript. No drops will be allowed after 10 weeks of the course.

Semester Courses (0.5 credit) - A student may drop a course during the first two weeks of a course with written approval. Course Add/Drop Form is available for students in the counseling office (students will still be required to maintain a minimum course load of 6.5 credits). Any dropped course will not show on a student's report card or transcript if the schedule is changed during this two-week period.

- **First Semester Courses** - Approved drops that occur after the second week of classes will result in a WP or WF appearing on the student's report card and transcript. No drops will be allowed after 10 weeks of the course.
- **Second Semester Courses** - Approved drops that occur after the second week of classes will result in a WP or WF appearing on the student's report card and transcript. No drops will be allowed after 10 weeks of the course.
- **Advanced Placement (AP) Courses** - A student may change an AP course level during the first full week of classes (5 days) with approval from parent, counselor and administrator using the Course Drop/Add Request Form. Any request to drop an Advanced Placement course after the first full week of class must be approved by the Principal. A meeting with the student, counselor, teacher, parent and Principal is required.

Graduation Requirements

There are three components to meeting the NYS graduation requirements:

1. Complete **specific required courses**
2. Earn a minimum of **22 credits**
3. Pass **5 state (Regents) examinations**

When making educational plans for students, the goal is to have students reach their highest possible academic potential. In providing for a diversified curriculum for students we address the varying degrees of individual interests and abilities.

It is strongly recommended that students who plan to attend a four-year college or university after graduation meet the requirements for a Regents Diploma with Advanced Designation. Students must choose one of the three options for meeting those requirements:

- World Language sequence (Spanish)
- Art sequence
- Career/Technical Education sequence (Business, Technology or WEMOCO classes)

The required units of credit and the required examinations that need to be passed to earn a diploma are listed below. In some options, (i.e. World Language sequence and Regents Diploma) students will need to select additional electives to fulfill the minimum of 22 credits to graduate. Those electives may be taken in any curricular area based on student choice.

REQUIRED CONTENT COURSES	CREDIT REQUIREMENTS			
	Regents Diploma with Advanced Designation Students will choose one of three options. Minimum Units of Credit Needed			Regents Diploma
	World Language Sequence	Art Sequence	Career/Technical Education Sequence	Minimum Units of Credit Needed:
English	4	4	4	4
Social Studies	4	4	4	4
Math	3	3	3	3
Science	3	3	3	3
World Language	3	1	1	1
Art/Music	1	5	1	1
Health	0.5	0.5	0.5	0.5
Physical Education	2	2	2	2
Career/Technical Ed. (Business, Technology, WEMOCO)	0.5	0.5	5	0.5
Electives	1	0	0	3

World Language requirement - To earn the minimum one required credit for graduation, students must complete two years of study in a World Language by the end of the 8th grade year and pass the required exam. To earn a Regents Diploma with Advanced Designation using the World Language sequence, students are required to earn 3 credits in a World Language and pass the Regional – Comprehensive Level III LOTE Exam.

5 Regents exam scores of 65 or higher are required for BOTH Regents with Advanced Designation and Regents Diplomas. Pathways to Graduation: “4+1” Option – Permits a student to take four Regents exams and a comparably rigorous technical, arts, or other assessment for the fifth examination required for graduation. Students must pass 1 exam in each area – English, Mathematics, Science and Social Studies – a total of 4, AND 1 additional exam in Social Studies, Math or Science.

Required Exams for:	Regents Diploma with Advanced Designation	Regents Diploma
English	ELA Regents	ELA Regents
Social Studies	Global History and Geography II New Framework Regents US History and Government Regents	Global History and Geography II New Framework Regents US History and Government Regents
Math	Algebra I Regents Geometry Regents Algebra II Regents	One Math Regents
Science	Living Environment Regents One Physical Setting Regents (Earth Science, Chemistry or Physics)	One Science Regents
World Languages	Regional Proficiency Exam (Checkpoint A) Regional - Comprehensive Level III LOTE Exam (Checkpoint B)	Regional Proficiency Exam in Grade 8 OR Regional Level I LOTE Exam

Note: Students who qualify for the New York State Safety Net (special education, declassified, and 504 Plan students) may pass the Regents exam with a score between 55 and 64. Those who score below 55 and above a 45 on a Regents exam may still graduate if they have a corresponding Math or English exam with a score of 65 or higher; each exam at or above 65 qualifies the student for the one exam credit for grades between 45-54.

Additional Notations for Regents diplomas

- **Honors** – must achieve a computed average of 90 or better on all required Regents exams for specific diploma type.
- **Mastery in Math** – must achieve scores of 85 or better on each of 3 Regents exams in mathematics.
- **Mastery in Science** – must achieve scores of 85 or better on each of 3 Regents exams in science.
- **Career and Technical Education Endorsement** – Achieves a passing score on State assessments as listed above for specific diploma types and successfully completes the 3 part technical assessment designated for the particular approved career and technical education program which the student has completed.
- **Career Development and Occupational Studies (CDOS) Commencement Credential** – student has completed a career plan; demonstrates attainment of the commencement level Career Development and Occupational Studies (CDOS) learning standards in the areas of career exploration and development, integrated learning and universal foundation skills; satisfactorily completes the equivalent of 2 units of study (216 hours) in Career and Technical Education coursework and work-based learning (minimum of 54 hours of work-based learning); and has at least 1 completed employability profile; **OR** student meets criteria for a national work readiness credential.

Advanced Placement Program

The Advanced Placement (AP) Program is a cooperative educational endeavor sponsored by the College Board. Based on the fact that many young people can complete college-level studies in their secondary schools, it represents a desire of schools and colleges to foster such experiences. Like other programs of the College Board, this program is national; its policies are determined by representatives of member institutions and its operational services are provided by the Educational Testing Service.

Advanced Placement serves three groups:

1. Students who wish to pursue college-level studies while still in high school
2. Schools that desire to offer these opportunities
3. Colleges that wish to encourage and recognize such achievement

Participating colleges grant credit and appropriate placement to students who have done well on the examination. Although the program provides a curricular guide and examination in each field, all colleges do not follow the same procedures upon receipt of AP Examination grades. Many colleges grant credit and adjust placement for qualifying work on the examinations; some grant either placement or credit only; others are still establishing their policies.

AP has great tools for students on the College Board website, students will need to sign up on their website and get linked up with the AP teacher and class.

AP Guidelines:

1. Students who want to enroll in AP courses should demonstrate an aptitude and interest in that particular subject area. In some cases, students must submit portfolios; in others, they need the permission of the instructor.
2. Students who enroll in AP courses are expected to take the AP exam offered in May (cost for the AP exam will be covered by the school district for all students). Actual AP scores are not reported to the district until the summer (July) so the exam results will not be used as part of the class average.
3. Additional AP course assessments may include Regents or teacher-made examinations, portfolios, or projects.

An AP course is a college level course in which active and sustained participation in class discussions and/or monitored project work is essential. The requirement for attendance in an AP class is the same as that of a college course.

AP Courses Offered at W-C

- 2-D Art and Design
- Biology
- Calculus AB
- English Language and Composition (11th grade)
- English Literature and Composition (12th grade)
- Music Theory
- African American Studies
- United States History

Dual Enrollment Program

The Dual Enrollment Program is a cooperative educational endeavor between Wheatland-Chili High School, Monroe Community College (MCC), Genesee Community College (GCC), and Rochester Institute of Technology (RIT). Students take courses here at Wheatland-Chili and sign up for credit through the college. Students do not attend the college courses on the college campus. There are numerous courses offered between these colleges and the art, business, language, social studies, and technology departments at the high school. Dual Credit option grants college credit that will appear on a college transcript. College transcripts can be requested by contacting the college registrar, not the high school Counseling Office.

The teachers advise the students of this opportunity and provide applications as they are in direct communication with the colleges. The college credit earned can be transferred to other colleges that accept transfer credit. Students need to discuss this option with the teacher of the course. In order to receive the college credit students are required to pay a reduced course fee.

The New Visions program and some of the WEMOCO programs also offer dual credit courses to students. This offers students the opportunity to concurrently earn college and high school credit.

The following courses are offered for dual credit:

<u>Art</u>	<u>MCC/GCC</u>	Credits
Photography	PHO 101 – Photography I	3
<u>Business</u>		
Accounting	ACC 101 – Accounting Principles I	4
Business Law	BUS 201 – Business Law I	3
Business Management	BUS 104 – Introduction to Business	3
Career and Financial Management	ECO 103 – Personal Money Management	3
Computer Applications	CIS 121 – Microsoft Office	4
Entrepreneurship & Marketing	BUS 110 – Entrepreneurial Studies I	3
<u>World Languages</u>		
Spanish IV	SPA 102, 112 – Elementary Spanish II & Lab	2-3
Spanish V – AP Spanish	SPA 203, 213 – Intermediate Spanish & Lab	2-3
<u>Social Studies</u>		
Economics	ECO 101 – Intro to Economics	3
<u>WEMOCO Programs</u>		
Auto Technology II	<u>MCC/GCC/ Nazareth College</u> MMP 100/101 – Survey of Automotive Transportation & Service, with Lab	4
<u>WEMOCO Programs</u>		
Child and Family Development I & II	<u>MCC/GCC/ Nazareth College</u> ECE 150 – Exploring Early Care and Education ECE 151 – Developmentally Appropriate Practice for Young	3 3
	EDU 100 – Intro to Teaching Profession	1
	HED 130 – Foundations of Health and Wellness	3
Computer Technology I	CSN 150 – Computer Repair	4

Criminal Justice I & II	CRJ 101 – Intro to Criminal Justice	3
Culinary Arts II	FSA 103 – Fundamentals of Food Prep	5
	FSA 107 – Menu Planning	3
Dental Assisting II	HED 130 – Foundations of Health and Wellness	3
Exercise Science I	HED 130 – Foundations of Health and Wellness	3
HVAC/Plumbing II	HVA 101 – Basic Refrigeration Theory	3
	HVA 103 – Heating Systems	3
	HVA 105 – Electric & Motor Controls	3
Machining I & II	TAM 101/105 – Machine Theory I, Machine Project Lab	6
	TAM 121 – Mathematics for Machinists I	3
	TAM 131/141 – Machine Shop Print Reading I & Lab	6
Nurse Assisting & Other Health Careers II	HED 130 – Foundations of Health and Wellness	3
	MTH 208 – Statistics for Scientists (Nazareth College)	3
Medical Lab Assisting & Phlebotomy I & II	HED 130 – Foundations of Health and Wellness	3
	CLT 100 – Intro to Medical Lab Technology	1
	CLT 110 – Specimen Procurement and Processing	1
	MTH 208 – Statistics for Scientists (Nazareth College)	3
Residential & Comm Electrical II	ELT 130 – System Electricity	3
<u>New Visions Program</u>	<u>MCC</u>	
Health Professions	ECO 101 – Intro to Economics	3
	HED 130 – Foundations of Health and Wellness	3

New York State Seal of Biliteracy Designation

Being bilingual is an important skill in the 21st century! Since the 2017-18 school year, Wheatland-Chili High School has offered the New York State Seal of Biliteracy designation to be added to a student diploma.



This academic recognition is given by the Wheatland-Chili Central School District to students who attain proficiency in listening, speaking, reading, and writing in one or more World Languages in addition to English. The New York State Seal of Biliteracy becomes part of a students' high school diploma, and candidacy can be used on college applications. Both native English speakers and students who are learning English as a new language are eligible to earn this honor. More information can be obtained from the World Languages teachers, the ESL teacher, or the counseling office. There is an application process and project required for students to be eligible for the Seal.

NCAA Eligibility

The [National Collegiate Athletic Association \(NCAA\)](#) is a nonprofit organization through which the nation's colleges and universities govern their athletics programs. The NCAA is comprised of institutions, conferences, organizations, and individuals committed to the best interests, education, and athletics participation of student athletes. NCAA handles all inquiries regarding an individual's initial-eligibility status. The Eligibility Center also maintains and processes all of the initial-eligibility certifications. NCAA provides a helpful tool for [College-bound Athletes](#) on their website. Students and families can learn about the various standards required for participation in Division I, II, and III.



www.ncaa.org

NCAA approved courses offered at Wheatland-Chili:

English:

English 9
English 10
English 11
English 12
AP English 11/12

Science:

Earth Science
Living Environment
Chemistry
Physics
AP Biology

World Language:

Spanish I
Spanish II
Spanish III

Mathematics:

Algebra
Geometry
Algebra 2
PreCalculus
AP Calculus AB
Foundations for College Math

Social Studies:

Global History and Geography I
Global History and Geography II
US History and Government
AP US History
Economics
Participation in Government
Criminal Law
Intro to Psychology
Sociology
The World Today

Art Department

NOTES:

- Studio Art may be used to meet the 1-unit art/music/technology requirement for graduation
- A 5-unit sequence in Art may be used in lieu of the 3-unit World Language requirement.
- Serious art students are encouraged to take additional art electives as their schedule allows. Students with the strongest background in the art electives receive the highest scores on the AP Studio exam and easiest acceptance into the college of their choice.

STUDIO IN ART

Grade: 9-12 (**Recommended to be taken in 9th Grade**)

Length: Full Year

Credit: 1.0

Prerequisite: None

Examination: Portfolio Based Midterm & Final

Studio Art is a foundation course that covers basic art skills in a variety of media. This course is the first course in the art major sequence and is a prerequisite for all other high school art courses. Designed to provide a foundation for advanced art courses and to satisfy the art graduation requirement, this course focuses on individual idea generation with emphasis on both the process and the final product of art making. Students within this course will track their progress through research, brainstorming, recording of the artistic process and their own self-reflection and aesthetic analysis. Students will explore their ideas in 2-D media, 3-D media and digital media. Attention is placed upon the conceptualization and development of ideas, the honing of artistic skills and techniques, and the analysis of artwork in the societal, cultural and historical context in which art is made. Students will create a portfolio for final assessment. This course is required for all students planning a 3 or 5 credit sequence in art.

Graphic Design

Grade: 10-12 (**Recommended to be taken in 10th grade for a sequential art program**)

Length: Full Year

Credit: 1.0

Prerequisite: Studio Art

Examination: Portfolio Based Midterm & Final

This course introduces students to computer graphics as an art form. Students are encouraged to expend upon their knowledge in the areas of creating, presenting, responding and connecting to digital artwork. The opportunity will be given to select from a range of digital approaches based on traditional and contemporary artistic practices. Skills will be built by using Adobe Illustrator and Adobe Photoshop to create art work. Students will continue to build skills in idea generation and track their process through research, brainstorming and recording the artistic process through self-reflection and aesthetic analysis. Students will also formulate new creative problems based on their own personal ideas. This course explores career opportunities in the field of graphic design. Students will create a digital portfolio for final assessment.

DRAWING AND PAINTING

Grade: 10-12 (**Recommended to be taken in 10th grade for a sequential art program**)

Length: Full Year

Credit: 1.0

Prerequisite: Studio Art

Examination: Portfolio Based Midterm & Final

Students are encouraged to expend upon their knowledge gained in Studio Art in the areas of creating, presenting, responding and connecting to artwork. The opportunity will be given to select from a range

of drawing and painting materials and methods of traditional and contemporary artistic practices. Skills will be built using graphite, colored pencil, charcoal, watercolor and acrylic paint to create art work. Students will also formulate new creative problems based on their own personal ideas. Students will create a portfolio for final assessment.

PHOTOGRAPHY

Grade: 11-12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Maximum Class Size: 16
Prerequisite: Studio Art or upon photo teacher approval and fulfillment of the art/music requirement
Examination: Portfolio Based Midterm & Final

In Photography class, skills will be developed in basic 35mm photographic techniques, digital camera techniques, and in computer manipulation of photographs. Emphasis is placed on the use of the camera as a creative tool. Technical and experimental techniques are included. Students are encouraged to expound upon their knowledge in the areas of creating, presenting, responding and connecting to photographic images. The opportunity will be given to select from a range of image making approaches based on traditional and contemporary photographic practices. Students will also formulate new creative problems based on their own personal ideas. Students will create a digital portfolio for final assessment.

CERAMICS

Grade: 10-12
Length: Half Year
Credit: 0.5
Prerequisite: Studio Art
Examination: Portfolio Based Final

This class will provide students the basic techniques and understanding of clay as an art medium. Experiences include coil and slab, hand-building techniques. Hand-thrown projects on the wheel are also introduced and considered an important addition to hand-built projects. Students will also become knowledgeable in the glazing and firing of pottery.

SCULPTURE

Grade: 10-12
Length: Half Year
Credit: 0.5
Prerequisite: Studio Art
Examination: Portfolio Based Final

This class will provide students an opportunity to experience 3-dimensional art forms such as wire, plaster, papier mache, wood, fabric, metals, paper and plastic. These materials will be used to further a student's knowledge of using the elements of form, space, light, movement and texture in 3 dimensional forms.

PORTFOLIO PREPARATION *

Grade: 11-12
Length: Full Year
Credit: 1.0
Prerequisite: Studio Art and two of the following: Drawing & Painting, Computer Graphics, or Photography

Examination: Portfolio Based Midterm & Final

Students are encouraged to expend upon their knowledge gained in Studio Art and at least two additional art classes in the areas of creating, presenting, responding and connecting to artwork. The focus of this course throughout the year is the development of a portfolio that students present for final evaluation. Students solve a variety of two and three-dimensional problems with individual thought, feeling, and interpretation. The opportunity will be given to select from a range of art materials and methods of traditional and contemporary artistic practices. Media choices may include drawing, painting, photography, and computer design. Students will continue to build skills in idea generation and track their process through research, brainstorming and recording the artistic process through self-reflection and aesthetic analysis. Students will also formulate new creative problems based on their own personal ideas. Students will create a portfolio for final assessment. This course prepares students for college admission and the AP Art Class.

ADVANCED PLACEMENT (AP) 2-D ART & DESIGN *

Grade: 12

Length: Full Year

Credit: 1.0

Prerequisite: Studio Art and two of the following: Drawing & Painting, Computer Graphics, Photography, or Portfolio Preparation

Examination: AP Exam (May), Portfolio Based Midterm & Final

This course is designed to be the equivalent of a one-semester, introductory college course in 2-D art and design. The course is for students who are motivated and interested in inquiry-based thinking and art making. The course addresses the following learning outcomes: the ability to (1) conduct a sustained investigation through practice, experimentation, and revision, guided by questions; (2) skillfully synthesize materials, processes, and ideas; and (3) articulate, in writing, information about one's work. The final portfolio is designated for work that focuses on the use of two-dimensional (2-D) elements and principles of art and design. Students will consider how materials, processes, and ideas can be used to make work that exists on a flat surface. Work with graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking are among the possibilities for submission. Still images from videos or film are accepted, as well as composite images.

For evaluation five physical works or high-quality printed reproductions of physical works with written documentation, will be sent directly to the AP Board and count as 40% of the overall score. The five works should each demonstrate synthesis of materials, processes, and ideas using 2-D art and design skills. In addition, 15 digital images of works of art and process documentation that demonstrate sustained investigation through practice, experimentation, and revision are evaluated through digital submission and count as 60% of the final score.

*** These courses may not be offered every year. Enrollment must be at or above 10 students per Board of Education policy.**

Business/Career & Technical Department

Note: A 5-unit sequence in Business may be used in lieu of the 3-unit World Language requirement.
Required Courses: Career and Financial Management, Computer Applications

Business/Career & Technical Education courses offer the following benefits:

- Learn important life skills such as financial literacy, career planning, ethics, and teamwork.
- Apply computer knowledge effectively to conduct research and create spreadsheets, word documents, presentations, and projects that integrate applications.
- Develop business knowledge and apply concepts to establish career and financial goals.
- Earn college credits from MCC at a significant financial discount.

CAREER AND FINANCIAL MANAGEMENT

Grade:	9-12
Length:	Half Year
Credit:	0.5 – <i>Dual Credit Optional</i>
Prerequisite:	None
Examination:	Local Final

Career and Financial Management is a **required** introductory business course. It is designed to promote financial literacy among young adults. Business sequence students should take this course in Grade 9 or 10. Students will gain an understanding of, and develop the skills and knowledge needed to be successful in a rapidly changing world. They will explore emerging workplace trends and develop employment skills, including resume writing and interviewing. Additional topics include budgeting, maintaining a checkbook, understanding credit, insurance and investing.

NOTE: Career and Financial Management is a local requirement for graduation from WCHS. This course is also a required part of every Career and Technical Education (CTE) program including five-unit CTE programs used as a substitution for the additional two units of world language needed for a NYS Regents Diploma with Advanced Designation.

COMPUTER APPLICATIONS

Grade:	9-12
Length:	Half Year
Credit:	0.5 – <i>Dual Credit Optional</i>
Prerequisite:	None
Examination:	Final Project

In this practical, hands-on course, students will learn the functions of computers and how computer hardware and software programs are used in today's business environment, as well as in their personal lives. Microsoft Office applications such as word processing, spreadsheet, and graphics programs will be used to create realistic business documents. NOTE: This class is a required course for students who are acquiring a five-unit Business sequence.

BUSINESS MATH APPLICATIONS

Grade:	11-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Minimum of two math credits
Examination:	Local Final

Business Math Applications provides an opportunity to expand and apply basic math skills to a variety of personal and business finance situations. Students will learn the practical math skills needed for personal money management, computing wages, calculating interest in borrowing, understanding tax bills, and insurance premiums. In lessons on business finance, students learn about the purchasing cycle, invoices, discounts and mark-ups. Students will utilize computers, particularly spreadsheet programs, to apply concepts.

This course may be used to fulfill the third unit of required math and/or as part of a five-unit business sequence.

BUSINESS ELECTIVES

ACCOUNTING -- *Next Offered: 2025-2026*

Grade: 10-12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Prerequisite: None
Examination: Local Final

This is an introductory course in the study of basic principles of financial accounting for the business enterprise. Emphasis will be on the valuation of business assets, measurement of net income, and double-entry techniques for recording transactions. Students will be introduced to the cycle of accounting work, preparation of financial statements, and adjusting and closing procedures. This course is strongly recommended for students who plan to major in any area of business in college.

BUSINESS MANAGEMENT -- *Next Offered: 2025-2026*

Grade: 10-12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Prerequisite: None
Examination: Local Final

This is an introductory study of business including organizational forms, the function of production, finance, marketing, management, and human resources. Additional topics covered will be environmental factors that impact business, ethics, and current business issues. This is a project-based course, which integrates computer simulations, Internet research, and group presentations.

BUSINESS LAW -- *Next Offered: 2026-27*

Grade: 10-12
Length: Full Year
Credit: 1.0 – *Dual credit Optional*
Prerequisite: None
Examination: Local Final

Studying business and practical law enables students to understand their legal rights and responsibilities as applied to the following topics: The Origins of Law, Constitutional Law, Civil and Criminal Law, Attorney Selection, Consumer Law, Tort Law, Family Law, Law for the Minor, Landlord/Tenant Law, Contract Law, and Estate Planning. Local and national trials, court decisions and matters of law are discussed regularly. A variety of relevant films, speakers, a field trip to the Monroe County Courthouse, and other activities are planned to reinforce classroom discussion.

ENTREPRENEURSHIP AND MARKETING -- *Next Offered: 2026-2027*

Grade: 10-12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Prerequisite: None
Examination: Final Project

Are you interested in learning how to start, manage, and develop a small business? The Entrepreneurship and Marketing course begins by defining and explaining the nature of small business in today's economy and entrepreneurs in the context of the free enterprise system. The topics include small business opportunities, legal forms of ownership, franchising, starting a new venture, sources of financing, developing marketing strategies, and human resource management. Students will also learn the key components of a business plan and the fundamental concepts and issues involved in the modern practice of marketing. This is a project-based class where students will develop business ideas, a business plan, and advertising campaigns.

English Department

ENGLISH 9

Grade:	9
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of English 8
Examination:	Local

Students enrolled in this course will study all genres of literature including fiction, non-fiction, and poetry. The course takes a thematic approach, meaning that students will study both classic and current literature surrounding a common theme. Sample theme bases include compassion, heroism, racism, family, technology, and power. Students will also study the mechanics of writing and grammar, particularly focusing on preparation for the intensive essay writing they will face as they progress towards upper-level English classes. Students will analyze works of literature and formulate observations about how literature reflects their own lives. Both a midterm and final exam are given. All academic work is geared toward preparation for the Regents ELA Exam and focuses on the college and career of each student.

ENGLISH 10

Grade:	10
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of English 9
Examination:	Local

Students in this course study and analyze literature from several genres. Students put their knowledge of basic skills to the test as they refine writing skills, work with poetry, analyze passages, and write a formal research paper. In alignment with Next Generation Learning Standards, students will spend a considerable amount of time on the close reading of several complex texts, specifically informational texts that will complement their literature study. Students will also have ample opportunity via writing and a research paper to develop the skill of making claims and supporting them with textual evidence. Homework is routine and a comprehensive examination is in June.

ENGLISH 11

Grade:	11
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of English 10
Examination:	Regents

The basis of English 11 is American literature and nonfiction. The goals of the course and the required readings align to the Next Generation Learning Standards, the most recent educational initiative. The course requires students to read and analyze a variety of challenging selections. The new focus will add a major concentration on the close reading of complex nonfiction. Students will learn about the authors and their styles, philosophies, and literary movements, as well as the various literary elements, devices, and language unique to each literary piece. Skills related to writing, speaking, and listening are developed and sharpened through the study of each selection because the course is text-based, and emphasizes analysis. There is a very strong emphasis on vocabulary development as students prepare for standardized tests: PSAT, SAT, ACT, etc. The course reviews and builds upon the skills taught in English 9 and English 10 as students prepare for the Regents ELA exam, which is taken during the junior year.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Grade:	11
Length:	Full Year
Credit:	1.0
Prerequisite:	90% average in English 9 and 10 and teacher recommendation
Examination:	AP Exam (May), Regents Exam (June)

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts from a range of disciplines and historical periods. AP Language and Composition offers the opportunity to partake in the College Board AP examination, which can lead to transferable college credit. As this AP course is a college level course, active and sustained participation in class discussions and monitored project work is essential.

ENGLISH 12

Grade:	12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of English 11
Examination:	Local

The primary objective of this course is to prepare students for the rigor of college by refining their reading, writing, listening, and speaking skills. Students will hone critical analysis skills through the study of literary elements in classic and contemporary selections. Students will spend considerable time on close reading of complex texts, specifically informational texts that will complement their literature study. This course also stresses the need for effective written expression, with emphasis on vocabulary development, the writing process, and the mechanics of language. Homework includes, but is not limited to, research projects, presentations and papers of critical analysis. The course will conclude with a comprehensive final exam and an oral presentation.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Grade:	12
Length:	Full Year
Credit:	1.0
Prerequisite:	90% average in English 9, 10 & 11 and teacher recommendation
Examination:	AP Exam (May), Local (June)

AP Literature is a challenging course that contains thought provoking curriculum presented to students at a college-level pace. The rigor of this course is designed to prepare students for university-level study of English literature. This course requires a great deal of intrinsic motivation as well as a love of literature. AP Literature and Composition offers the opportunity to partake in the College Board AP examination, which can lead to transferable college credit. As this AP course is a college level course, active and sustained participation in class discussions and monitored project work is essential.

Students who take AP English and Composition will demonstrate:

1. Motivation to do the rigorous work of the course.
2. Demonstrate overall success in other academic courses.
3. Successfully complete all course work in the English Common Core program and have a strong grade in the English Common Core exam at the end of Grade 11.
4. Submit a formal application essay and other necessary written forms.

INTRODUCTION TO WRITING AND STYLISTICS

Grade:	10-12
Length:	Half Year
Credit:	0.5
Prerequisite:	Teacher Recommendation
Examination:	Local

This course is designed to help high school students strengthen essential literacy skills in preparation for graduation, postsecondary education, and the workplace. The course focuses on building confidence and competence in reading, writing, and thinking-especially for students who have found state assessments challenging in the past.

Students will engage with a wide range of texts, including articles, short fiction, non-fiction, and real-world documents, to practice close reading, vocabulary development, and comprehension strategies. The course aligns with the next generation learning instruction standards and emphasizes understanding of main ideas, analyzing evidence, making inferences, and responding to texts clearly and effectively. Writing instruction focuses on organization, clarity, sentence structure, and revision, with frequent opportunities for practice and feedback.

This course is ideal for students seeking to build skills, confidence, and independence before graduating.

LEADERSHIP AND COMMUNICATION

Grade:	11-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

This Leadership course is designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), this course may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

MEDIA STUDIES

Grade:	11-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

Media Studies is a hands-on, creative course for students interested in understanding how media influences the world around them. You'll explore media literacy, news and journalism, advertising techniques, pop culture, social media trends, and the ethical responsibilities of media creators. Throughout the course, you'll develop real production skills by filming and editing your own commercials and public service announcements using video cameras and Adobe software. You'll also get the chance to experiment with emerging technologies, including artificial intelligence, and see how they're shaping the future of media. This course is perfect for students who want to strengthen their critical-thinking skills, boost their creativity, and learn how to become thoughtful, responsible media creators and consumers.

Public Speaking

Grade: 11-12

Length: Half Year

Credit: 0.5 – Dual Credit Optional

Prerequisite: None

Examination: Local

This accredited, college-level public speaking course (three credits) introduces students to the theory and practice of effective oral communication in academic, professional, and civic contexts. Students develop confidence and competence as speakers through the preparation and delivery of a variety of speeches, including informative, persuasive, and special-occasion presentations as well as collaborative work such as podcasts, panel discussions, debates, and more. Emphasis is placed on audience analysis, speech organization, research and evidence-based support, critical listening, ethical communication, and effective verbal and nonverbal delivery techniques. Students learn to use visual aids and presentation technology appropriately. Constructive peer and instructor feedback is an integral part of the course, promoting reflection and continuous improvement.

As a dual-enrollment offering, this course adheres to college-level standards of rigor, assessment, and academic integrity. Successful completion earns transferable college credit while providing students with foundational communication skills essential for success in higher education, careers, and public life.

Math Department

ALGEBRA 1

Grade:	8
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Math 7
Examination:	Regents

The Algebra 1 course will focus on Next Generation curriculum provided by New York State. Specific topics include reasoning with functions, graphing, statistics, polynomial expressions and equations, and modeling with expressions and equations. Quizzes and tests will be given regularly. The course will be taught using the TI-NSpire CX calculator. The course will culminate in taking the NYS Algebra 1 Regents examination.

APPLICATIONS OF ALGEBRA

Grade:	9+
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Algebra 1, but still need the Algebra Regents exam
Examination:	Regents

The Applications of Algebra course will consist of teaching concepts from the New York State Next Generation Algebra 1 curriculum. These concepts will be applied in more advanced ways than in the Algebra 1 course. Specific topics include Graphing, Statistics, and Modeling Functions. Assessments will be given on a regular basis. The course is taught using the TI-NSpire CX calculator. The course will culminate in the taking/re-taking of the NYS Algebra 1 Regents exam.

GEOMETRY

Grade:	9-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of the full Algebra 1 course and Algebra 1 Regents
Examination:	Regents

This second-year course is based on the New York State Next Generation Geometry curriculum. Some of the included units are geometry relationships, constructions, formal and informal proofs, transformational geometry, and coordinate geometry. The course will be taught using the TI-NSpire CX calculator. The Geometry Regents Examination will be given at the end of this year.

APPLIED GEOMETRY

Grade:	9-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Algebra 1 Regents
Examination:	Local

This is a course designed for students to experience and see Geometry in real-life applications. Students will be exposed to some of the same topics that are covered in the Common Core Geometry course, but the instruction and assessments are designed with application as a focus. A Regents exam will not be a part of this course.

FOUNDATIONS FOR COLLEGE MATH

Grade:	10-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Geometry or Applied Geometry and Algebra 1 Regents
Examination:	Local

This course is designed for students who have successfully completed Applied Geometry or Regents Geometry and would like to obtain a 3rd math credit, and seek to strengthen the skills necessary to succeed in college entry level mathematics. The primary focus of the class will be advanced algebraic topics, exploring algebra from a functional approach, and solidifying the math skills necessary to be successful on college placement exams. Specific topics include quadratic equations and inequalities, absolute value equations and inequalities, systems of equations, radical expressions, exponential and logarithmic functions, and right triangle trigonometry. The course will be taught using the TI-Nspire CX calculator.

BUSINESS MATH APPLICATIONS

Grade:	11-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Minimum of two math credits
Examination:	Local Final

Business Math Applications provides an opportunity to expand and apply basic math skills to a variety of personal and business finance situations. Students will learn the practical math skills needed for personal money management, computing wages, calculating interest in borrowing, saving, and investing money, and typical consumer purchasing problems. Students will utilize computers, particularly spreadsheet programs, to apply concepts. This course may be used to fulfill the third unit of required math and/or as part of a five-unit business sequence. This course is taught by the Business/Career & Technical Department.

ALGEBRA 2

Grade:	10-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Geometry and the Algebra 1 and Geometry Regents
Examination:	Regents

This is the third course in the math sequence required for a NYS Regents Diploma with Advanced Designation. This course is a continuation and extension of Algebra 1 and Geometry. Topics include the complex number system, polynomial functions, intermediate algebra, the exponential and logarithmic functions, the circular and trigonometric functions, probability, statistics, systems of equations, arithmetic and geometric series, and data analysis. Algebraic, graphic and numeric methods for solving problems will be used. The course will be taught using the TI-Nspire CX calculator. Homework is given daily, and quizzes and tests are given frequently. The Algebra 2 Regents Examination will be given at the end of this year.

PRECALCULUS

Grade:	11-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Algebra 2 Regents
Examination:	Local

This course is designed to serve as the link between Algebra 2 and AP Calculus in the five-unit Regents-level mathematics sequence. It also serves as a basic pre-calculus course for those students who plan to take calculus in college. Topics include a thorough review of polynomial, rational, circular, trigonometric, exponential, and logarithmic functions, and an introduction to matrices and vectors, and the polar coordinate system. The course will be taught using the TI-NSpire CX calculator.

ADVANCED PLACEMENT CALCULUS AB

Grade:	12
Length:	Full Year
Credit:	1.0
Prerequisite:	Course grade of 85% in Precalculus and successful completion of exam or teacher recommendation
Examination:	AP Exam (May)

The curriculum and pacing for this course represents college level content and rigor. The course is designed to prepare students for success on the Advanced Placement (AP) exam, in May. As this AP course is a college level course, active and sustained participation in class discussions and/or monitored project work is essential.

This course covers the basic concepts of differentiation of algebraic, trigonometric, and exponential functions and the associated integrals. It includes an introduction to the concepts of limits and continuity. Applications to rectilinear motion, maxima-minima, related rates, and areas are explored. The graphing calculator is used extensively by students to reinforce relationships, to confirm written work, to implement experimentation and to assist in interpreting results. The course will be taught using the TI-NSpire CX calculator.

MATH ELECTIVE

INTRODUCTION TO COMPUTER PROGRAMMING

Grade:	10-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Algebra 1
Examination:	Final Project

This course is designed for students who wish to explore introductory computer programming, algorithm development, and computer engineering concepts. The language used is Visual Basic, from the Microsoft Visual Studio software. Students will learn how many real-world computer applications work, and then design and build many projects of their own. Assessment will be largely project based. Projects may include an equation solver, a binary number converter, and range as far as building a 2-dimensional game like "Frogger". This course is intended for those students interested in learning about and developing basic computer programs and obtaining the skills necessary for possible computer science classes or concentrations at the college level. The course will also explore how to write applications for iPhone and iPods and applying the skills learned in visual basic to write in Apple's own XCODE and SDK.

This elective course may not be offered every year. Enrollment must be at or above 10 students per Board of Education policy.

Music Department

NOTE: High School Band and/or Chorus satisfies the 1-unit graduation requirement for Art/Music/Technology

HIGH SCHOOL CHOIR

Grade: 8-12
Length: Full Year
Credit: 1.0 (or 0.5 if combined with Band)
Prerequisite: None
Examination: Quarterly Sight Singing

This chorus is made up of students who desire to sing and take part in a performing ensemble. Beginning to advanced vocal technique and music-literacy skills are developed. Focus is placed on small and large ensemble singing with a concentration on blend and balance of sections. As with all music, expression of the music in the style it is intended is also emphasized. A repertoire from all time periods, masterworks to pop pieces will be learned. There are several concert performance requirements.

HIGH SCHOOL BAND

Grade: 8-12
Length: Full Year
Credit: 1.0 (or 0.5 if combined with Choir)
Prerequisite: Middle School Band or Instructor Approval
Co-requisite: Weekly Lessons
Examination: Memorial Day Parade

This course will continue to provide students with a thorough understanding of their instrument and its place in music. Concert performances will enhance this understanding as well as the student's own musicianship. Involvement in the Senior High Concert Band will provide students with an appreciation of symphonic band music and give students technical skills that can be drawn upon in future years. The students will perform a balanced repertoire of standard band literature representative of all music styles, periods, and forms. This course includes participation in formal concerts, solo and ensemble contests, marching band, and out of town performances. Performances and rehearsals both in and out of school are considered part of this course and are required, including but not limited to: the Winter, District and Spring concerts and Memorial Day Parade.

MUSIC ELECTIVES

The following elective classes are offered in alternate years. Students are advised to plan their schedules accordingly.

BEGINNER PIANO – *Next Offered: TBD*

Grade: 9-12
Length: Full Year
Credit: 1.0
Prerequisite: Enrollment in Band or Chorus or Instructor's permission
Examination: Midterm and Final Performance

This course is designed for beginner pianists. Beginning technique will be taught for the piano as well as all appropriate levels of music reading. Students will learn melodic and chordal play. Throughout the class, music from various genres and styles and a variety of time periods will be studied.

BEGINNER GUITAR – Next Offered: TBD

Grade: 9-12
Length: Full Year
Credit: 1.0
Prerequisite: Enrollment in Band or Chorus or Instructor's permission
Examination: Midterm and Final Performance

This course is designed for beginner guitar players. Beginning techniques will be taught for the guitar as well as all appropriate levels of musicianship. Students will learn melodic and chordal play. Students will be asked to play alone, in a small ensemble, and learn to accompany another voice or instrument as well. Music from various genres and styles and a variety of time periods will be studied.

MUSIC THEORY 1

Grade: 9 - 12
Length: Full Year
Credit: 1.0
Prerequisite: None
Examination: Final Exam

course is an introduction to the fundamentals of music theory. Topics will include reading standard music notation in various clefs, reading and performing rhythms in various meters, and reading and constructing scales and chords. Listening is a major feature of the course. Students will aurally identify intervals, scales and chords. By the end of the course, students will have a solid foundation of musical skills and will be prepared to take AP Music Theory.

ADVANCED PLACEMENT MUSIC THEORY – Next Offered: TBD

Grade: 10-12
Length: Full Year
Credit: 1.0
Prerequisite: 1 year Band or Choir
Examination: AP Exam (May)

The curriculum and pacing for this course represents college level content and rigor. The course is designed to prepare students for success on the Advanced Placement (AP) exam, which can lead to transferable college credit. The expectation is that students in any AP course take the AP exam in May. As the AP course is a college level course, active and sustained participation in class discussions and/or monitored project work is essential. Topics will include harmonic, thematic, and formal analysis of music from 1600 to the present, composition of music using the principles learned in such analysis, melodic and harmonic dictation, and sight singing.

These elective courses may not be offered every year. Enrollment must be at or above 10 students per Board of Education policy.

Physical Education and Health Department

NOTE: 2.0 Credits in Physical Education and 0.5 credit in Health are New York State graduation requirements.

PHYSICAL EDUCATION -- *Participation is required by NYSED*

Grade: 9-12
Length: Full Year (Alternate Days)
Credit: 0.5
Prerequisite: None

Physical Education includes individual and team sports, personal fitness activities, life-long physical activities, and physical fitness testing.

The individual and team sport units consist of tennis, flag football, volleyball, team handball, basketball, floor hockey, indoor soccer, softball, badminton, archery, and golf. The personal fitness program provides many lifelong fitness skills that include step aerobics, yoga, swimming, pickle ball, disc golf, ultimate Frisbee, ice skating, golf, and weight training.

Physical Education follows the guidelines and assessments of the New York State standards in conjunction with New York State Association for Health, Physical Education, Recreation, and Dance (NYSAHPERD).

HEALTH

Grade: 10-12 (Where possible, students will be expected to complete health during their sophomore year)
Length: Half Year
Credit: 0.5
Prerequisite: None
Examination: Local

Health is a discussion-oriented examination of issues surrounding the critical health areas young adults face in today's society. The major areas covered in this course include nutrition, stress management, depression and suicide, chemical use, abuse and dependency, communicable diseases, relationships, and human sexuality. Health will cover topics related to mental and emotional health, as well as personal social skills in relationship and self-management, thus a specific focus on the building of interpersonal and intrapersonal skills.

In addition, the students obtain hands only CPR and AED instruction through one of the units taught during the semester. The class meets every day for one semester and is a requirement for graduation.

Science Department

NOTE: Science Laboratory Requirement: All Regents Science Courses include at least one period of laboratory experiments per week. Enrolled students must successfully complete a minimum of 1200 lab minutes and turn in satisfactory reports for those labs before taking the various Regents Exams.

Life Science: Biology

Grade: 9-11
Length: Full Year
Credit: 1.0
Prerequisite: Successful completion of Science 8 & Math 8
Examination: Regents

This is a laboratory-oriented course that follows the NYS Regents curriculum for Living Environment to Life Science: Biology. Units include unity and diversity among living things, maintenance in living things, human physiology, reproduction and development, genetics, evolution, and ecology. It is recommended that enrolled students possess reading and writing skills at or above grade level and have at least average mathematical skills. **Laboratory Requirement.**

Earth and Space Sciences

Grade: 9-11
Length: Full Year
Credit: 1.0
Prerequisite: Successful completion of Science 8 & Math 8
Examination: Regents

This is a laboratory oriented, Regents-level course that follows the New York State Science Learning Standards for Earth and Space Sciences. Emphasis is placed on investigative approaches to scientific practices, in context. Topics of study include space systems, history of the Earth, Earth's systems, climate sciences, and human sustainability.

The course culminates in a Regents exam that will require students to possess content knowledge, as well as at-grade reading/writing skills and algebra-level computational and graphing skills. **Laboratory Requirement.**

PHYSICAL SCIENCE: CHEMISTRY

Grade: 10 with permission from the science department; 11-12
Length: Full Year
Credit: 1.0
Prerequisite: Mastery level completion of Regents Earth Science and Geometry
Examination: Regents

This is a laboratory science, New York State Regents course. Math skills, critical thinking, and data analysis are emphasized. Specific topics studied are the structure of atoms, gases and their behavior, chemical bonding, the periodic table, solutions, acids and bases, electro-chemistry, nuclear changes, and organic chemistry. A basic understanding of chemistry and its principles is necessary for any science-related field such as nursing, medical technology or engineering. **Laboratory Requirement.**

PHYSICAL SCIENCE: PHYSICS

Grade: 11-12
Length: Full Year
Credit: 1.0
Prerequisite: Earth Science, Chemistry, and pre-calculus
Examination: Regents

This lab course is based on the New York State Regents curriculum for Physics and concentrates on laboratory techniques and data analysis. Physics is the study of relationships between matter and energy with major emphases on mechanics, as well as the basics of electricity and magnetism, waves, optics, and modern physics. Anyone considering a career in engineering or a science-related career is strongly encouraged to take this course. **Laboratory Requirement.**

ADVANCED PLACEMENT BIOLOGY

Grade: 11-12
Length: Full Year
Credit: 1.0
Prerequisite: Course grade of 85% or better in Regents Chemistry or science teacher recommendation
Examination: AP Exam (May), Regents (June)*

The curriculum and pacing for this course represent college level content and rigor. The course is designed to prepare students for success on the Advanced Placement (AP) exam, which can lead to transferable college credit. The expectation is that students in any AP course take the AP exam in May. As the AP course is a college level course, active and sustained participation in class discussions and/or monitored project work is essential. The requirement for attendance in an AP class is the same as that of a college course. **Laboratory Requirement.**

***Living Environment Regents Exam or Final Project:** Students will take the Life Science: Biology Regents in June or complete a final project if they have previously taken the Regents exam.

SCIENCE ELECTIVES

NOTE: Science Electives may be used for the 3rd science credit to satisfy the credits required for graduation, and/or to supplement the science curriculum for those students with high interest in science. Science electives may be taken concurrently with other science courses.

BIODIVERSITY

Grade: 11-12
Length: Half Year
Credit: 0.5
Prerequisite: Successful completion of Earth Science, Living Environment and Algebra 1
Examination: Local

The science of Biodiversity encompasses the study of diverse representatives of earth's organisms and how this knowledge can be used to benefit humans. Laboratory work includes dissection of representative species, study of living organisms, and analyses of data based on molecular studies. Students will integrate what they study and observe into lab reports and presentation projects throughout the course.

ENVIRONMENTAL SCIENCE

Grade: 11-12

Length: Half Year

Credit: 0.5

Prerequisite: Successful completion of Earth Science, Living Environment and Algebra 1

Examination: Final Project/Final Assessment

Environmental Science is the study of the interactions between the physical, chemical, and biological components of the environment, as well as their effects on all types of organisms. The impact of human activities is a particular focus of this class. Topics include habitat study, global warming, water quality, environmental health, land use, and population dynamics.

ANATOMY AND PHYSIOLOGY

Grade: 11-12

Length: Half Year

Credit: 0.5

Prerequisite: Successful Life Science: Biology and Algebra 1

Examination: Final Project/Final Assessment

Anatomy & Physiology offers an engaging introduction to the structure and function of the human body. Through a combination of labs, models, demonstrations, and case studies, students explore major organ systems—including the skeletal, muscular, circulatory, respiratory, and nervous systems—and examine how these systems work together to maintain health and homeostasis. Designed for students interested in health sciences, sports medicine, biology, or simply learning more about the human body. This elective provides a strong foundation for future science coursework and health-related pathways.

SCIENCE IN FICTION

Grade: 11-12

Length: Half Year

Credit: 0.5

Prerequisite: Successful completion of Earth Science, Living Environment and Algebra 1

Examination: Final Project/Final Assessment

_This course explores scientific concepts through the lens of science fiction movies, books, and videos. By analyzing fictional works, students will gain a deeper understanding of real scientific principles and how they are represented or misrepresented in popular media.

_Topics Covered:

· Artificial Intelligence (AI): Overview of AI and machine learning; Ethical implications of AI; Representation of AI in fiction (e.g., "Blade Runner," "Ex Machina").

· Genetics and Cloning: Basics of genetics and biotechnology; Ethical and societal implications of cloning; Exploration of genetic engineering in fiction (e.g., "Jurassic Park," "Gattaca").

· Dinosaurs: Paleontology and the science of dinosaurs; How dinosaurs are depicted in media versus scientific evidence; Analysis of dinosaur fiction (e.g., "Jurassic Park").

· Space: Fundamental concepts of astronomy and space exploration; the reality of space travel and its challenges; Space in fiction (e.g., "The Martian," "Interstellar").

-Time: Understanding time travel theories and paradoxes; the physics of time and relativity; Time travel in fiction (e.g., "Back to the Future," "Doctor Who").

These elective courses may not be offered every year. Enrollment must be at or above 10 students per Board of Education policy.

Social Studies Department

GLOBAL HISTORY AND GEOGRAPHY I

Grade:	9
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Social Studies 8
Examination:	Local

This course is a chronological study of the cultures and peoples of the world from the Dawn of Civilization through the Age of Revolutions. The course material is grouped into meaningful eras or periods of time in which certain types of activity are going on all over the world. There is a focus on four themes: history, economics, citizenship, and civics and government.

Students begin to acquire skills that help them gather, organize, use, and present information. These skills include reading maps, interpreting charts and graphs, and reading and analyzing primary source documents. Writing skills are developed through enduring issues and short answer questions.

GLOBAL HISTORY AND GEOGRAPHY II

Grade:	9-10
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Global History & Geography I
Examination:	Regents

Global History and Geography II is a continuation of Global History and Geography I. The course is a chronological study of world cultures and civilizations from the Age of Revolutions to modern times with emphasis on global connections and interactions.

Skills of historical analysis include interpretation of different types of data and primary source materials with a strong emphasis on enduring issues and short answer questions. Global issues are addressed to show how the past impacts today's world.

Students are required to take a comprehensive regents exam at the end of the year.

UNITED STATES HISTORY AND GOVERNMENT

Grade:	11
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Global History & Geography
Examination:	Regents

The history of the United States is a history of the evolution of democracy. The basic principles set forth by the Declaration of Independence and the Constitution became the guiding ideas underlying the nation's development. This course examines the social, economic, and political history of the United States in an effort to determine the extent to which these principles have been achieved and maintained in a culturally diverse country and an increasingly interdependent world. The organization of this course is loosely chronological with eight units of study: United States Geography, The Constitution Tested, The Rise of American Business; Responses to Industrialization and Urbanization; At Home and Abroad: Prosperity and Depression, 1917-1940; The United States in An Age of Global Crisis, 1933-1960; The World in Uncertain Times, 1950-Present.

The United States History and Government course also requires students to develop and practice the skills of critical thinking, reading, writing, listening, speaking, and research, as well as gathering and processing information from a variety of media and working with others. Where appropriate and helpful, connections will be made between United States History and Government and other disciplines.

ADVANCED PLACEMENT UNITED STATES HISTORY AND GOVERNMENT

Grade:	11-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Global 9 and 10 final averages of minimum 85% or teacher recommendation
Examination:	AP Exam (May), Regents (June)

The curriculum and pacing for this course represents college level content and rigor. The course is designed to prepare students for success on the Advanced Placement (AP) exam, which can lead to transferable college credit. The expectation is that students in any AP course take the AP exam in May. As the AP course is a college level course, active and sustained participation in class discussions and/or monitored project work is essential. The requirement for attendance in an AP class is the same as that of a college course.

Students who take AP History must meet the following criteria:

1. Students must be motivated to do the rigorous work of the course.
2. Students must have demonstrated overall success in other academic courses.
3. Students must have successfully completed all course work in the Global Regents program and have a strong grade in the Global History Examination at the end of Grade 10.
4. Students must complete all summer assignments satisfactorily.

The Advanced Placement course in U.S. History provides a learning experience equivalent to that obtained in most college introductory U.S. History courses. **It is NOT an enriched version of U.S. History and Government.** It is designed to help students acquire the analytical skills and factual knowledge needed to deal critically with a wide variety of historical problems. Students will also learn to assess historical materials – their relevance to a given issue, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. The course will help students develop the skills necessary to arrive at conclusions based on informed judgment and to present reasons and evidence clearly and persuasively in essay format.

ECONOMICS

Grade:	12
Length:	Half Year
Credit:	0.5 – <i>Dual Credit Optional</i>
Prerequisite:	Successful completion of U.S. History and Government
Examination:	Local

This course is a study of economics as a social science. It includes an introduction to economics and economic systems, microeconomics, macroeconomics, and U.S. and the world economy. A major goal of this course is to develop an understanding of economics and to equip students to be better producers and consumers. It is also intended to enable students to make informed economic and political choices in a democratic society. Social studies skills development is continued, particularly data interpretation and graphic skills. Assessment includes homework, quizzes, and unit tests as well as a final exam at the end of the semester.

PARTICIPATION IN GOVERNMENT

Grade:	12
Length:	Half Year
Credit:	0.5
Prerequisite:	Successful completion of U.S. History and Government
Examination:	Project Based

New York State requires Participation in Government for graduation. The course explores a combination of public policy issues, the roles of citizens, and specific features of democracy. The structure of the American Republic and current local government topics are examined through founding documents. Students will complete a culminating public policy project in which they will research a public policy issue at either the Federal, State or local level.

SOCIAL STUDIES ELECTIVES

AP AFRICAN AMERICAN STUDIES

Grade:	11-12
Length:	Full Year
Credit:	1.0
Prerequisite:	None
Examination:	AP Exam (May), Local (June)

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

CRIMINAL LAW -- *Next Offered: 2025-2026*

Grade:	11-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

This course provides practical information and problem-solving opportunities that develop students' knowledge and understanding of the American criminal justice system. The curriculum includes case studies, mock trials, small group exercises, court visits, and guest speaker(s). This educational methodology allows students to be active participants in their own learning. In this way, the course attempts to promote in students a willingness and capability to participate in the legal and political system. Topics include the nature and cause of crime, rights of accused persons, categories of crime, defenses, proceedings before trial, courtroom procedures, sentencing, corrections, and capital punishment.

INTRODUCTION TO SOCIOLOGY -- *Next Offered: 2025-2026*

Grade:	11-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

This course is an introduction to the study of human society and societal behavior. It includes social events that students are involved with in everyday life, as well as social phenomena in other times and places. While students may be familiar with social life in their everyday experiences, they will study the body of specialized concepts, theories, and observations related to social life. In this course students learn about the ways that sociologists conceptualize and explain human activities. The course is tightly organized into units exploring such topics as culture, society, socialization, social groups, deviance, sexuality, social inequality, and the family. In addition to homework and quizzes, there will be projects and a final exam.

INTRODUCTION TO PSYCHOLOGY -- *Next Offered: 2026-2027*

Grade: 11-12
Length: Half Year
Credit: 0.5
Prerequisite: None
Examination: Local

This course is an introduction to the study of Psychology. Students will learn about themselves and others as they investigate the human brain. The areas of study will include: states of consciousness (dreams), memory, developmental psychology, personality theory and disorders, abnormal psychology, cognitive psychology (the senses, perception, thought), and social psychology (behavior) and intelligence. In addition to homework, class discussion and quizzes, there will be projects and a final exam.

History in Film-- *Next Offered: 2026-2027*

Grade: 11-12
Length: Half Year
Credit: 0.5
Prerequisite: None
Examination: Local

This semester-long course will focus on two themes: how films portray historical events and how films reflect the society in which they are made. Students will view films from selected units (in their entirety or selected excerpts) about the United States during the 20th century and early 21st century. The class will discuss issues involving historical films such as how filmmakers take ideas from history, how a film can “rewrite history,” and how filmmakers shape a narrative. Students will understand how a message can be manipulated by different forms of media for a particular purpose. Students will also discuss and write about how films can reflect the values of an era and how films may help shape an era. Students will utilize and analyze information from a variety of media sources, both online and print, including primary and secondary texts, individual research, critical essays, and selected visual materials. By the end of the semester students will be able to identify changing views of key events in U.S. history and how the film industry portrayed them. Students will also be able to discuss/write about how Hollywood can influence our perception of historical events.

Unit #1: Early Days: Silent & Sound Films Suggested films: Birth of a Nation 1915 The Immigrant 1917 Singing in the Rain 1952 Hamilton 2020

Unit # 2: The Western Frontier Suggested films: Dances with Wolves 1990 Far and Away 1992

Unit # 3: Working Class Suggested Films: Newsies 1992 John Q 2002 Gangs of New York 2002 Mr. Smith Goes to Washington 1939

Unit # 4: Immigration in American Film Suggested films: The Godfather, Part II 1974

Unit # 5: The Great Depression Suggested Films: Seabiscuit 2003 Cinderella Man 2005 Untouchables 1987

Unit # 6: World War II in Popular Film Suggested Films: Saving Private Ryan 1998 Midway 2019 Pearl Harbor 2001 Tuskegee Airman 1995

Unit # 7: The Cold War: Hunt for Red October 1990 Oppenheimer 2023 The Good Shepard 2006

Unit # 8: Civil Rights Suggested Films: Malcolm X 1992 Remember the Titans 2000 42 2013 Selma 2014 Hidden Figures 2016 Ruby Bridges 1998

These elective courses may not be offered every year. Enrollment must be at or above 10 students per Board of Education policy.

Special Education

As an extension of our Pupil Personnel Services (PPS), Wheatland Chili High School has a Special Education program for students with disabilities. Students with a disability have an Individual Education Plan (IEP) to address their needs in the classroom. Students involved in the continuum of services are working toward goals and objectives to increase academic competency and reach the standards and curriculum requirements of Wheatland Chili School District and New York State.

The services offered through the Special Education Department are on a continuum in order to provide the least restrictive environment possible for student success. A student's IEP includes several elements required by NYS Law:

- A summary of the student's present performance level
- Long-term educational goals
- Short-term objectives for meeting each goal
- A list of inclusive education and support services, materials and interventions to be provided, including timetable and personnel

Typical practice for HS students would be for students with Individualized Education Plans (IEP) to take courses with up to two adjacent levels of support (i.e. Co-Taught and Resource Room).

SPECIAL CLASS (12:1)

Students with disabilities who require more individualized attention in order to learn are scheduled for classes with a Special Education teacher for one to four core content areas and a classroom aid. Students are provided with a regents curriculum with an appropriate pace and attention to meet with specialized academic needs. Special Classes include smaller groups of students in a class setting to focus on a more intensive remediation of skill and content, but with varied approaches to instruction and assessment. Students in a special class continue to be required to meet the same standards as those in general education.

RESOURCE ROOM (5:1)

The Resource Room focuses on supporting students with disabilities who are placed in general education classes. Students who participate in the Resource Room program review the skills to successfully complete course requirements. This is accomplished through reinforcement of skills, homework assistance, test preparation skills instruction, building of organizational skills, and the implementation of testing accommodations. The Special Education Teacher in the Resource Room communicates with classroom teachers and parents frequently.

INTEGRATED CO-TEACHING

Co-taught classes are taught with two teachers in a general education setting. Both students with disabilities and their peers have shared access to two teachers in a general education classroom, one certified in a content area and the other in special education. Students receive primary instruction from both teachers in the class, and have access to both teachers for reinforcement of skills. Students participating in a co-taught class continue to receive accommodations provided by their IEP. Special Education teachers may plan, instruct, assess, and modify materials for all students within the class.

CONSULTANT TEACHER

In a Consultant Teacher setting, students may receive the direct or indirect services of a Special Education teacher in the general education class. This teacher may, as indicated on the students' IEP, provide test accommodations, classroom content support/reinforcement/ accommodations, differentiation of instruction and/or consultation with the general education teacher to help support the students' presence in the classroom.

PROGRAM MANAGERS

Special Education teachers are assigned to specific classes and have a case load of 10-20 students with whom they connect and support through direct and indirect consultation. They are the school to home connection and will communicate regularly about the progress of students.

Technology Department

The Wheatland-Chili Central School District offers a five-course sequence in Technology Education. Students who enjoy mathematics, science, computers, open-ended problem-solving challenges, teamwork, and hands-on learning will benefit from the courses in the Technology program. Students are not required to commit to the five-course sequence, and may opt to use certain courses as electives toward their high school diploma.

NOTES:

- Design and Drawing for Production (DDP) can be used to meet the 1 credit Arts/Music/Technology graduation requirement.
- A 5-Unit sequence in Technology Education can be used to replace the 3-Unit World Language graduation requirement towards an Advanced Regents diploma.

DESIGN AND DRAWING FOR PRODUCTION (DDP)

Grade:	9-12
Length:	Full Year
Credit:	1.0
Prerequisite:	None
Examination:	Local exam

The DDP class is designed for freshman-level students and serves as a prerequisite for Technology courses, however, a student may take DDP at any time during their high school experience. Students who have a strong interest in becoming an engineer or technician and are interested in pursuing a 5-unit sequence in pre-engineering should take DDP during the freshman year. DDP is an introductory course that exposes students to knowledge and skills that are common to fields of engineering that focus on the design of mechanical objects. Topics of study include sketching, precision measurement, basic statistics, three-dimensional computer aided design (CAD), technical drawing standards, the design process, visual design principles and elements, and team-based problem solving.

COMPUTER INTEGRATED MANUFACTURING - Next Offered in 2025-2026

Grade: 10-12
Length: Full Year
Credit: 1.0
Prerequisite: DDP
Examination: Local exam

This class exposes students to the fundamentals of computerized manufacturing technology, and utilizes the knowledge and skills learned in the DDP course. Topics of study include applied trigonometry, computer aided design (CAD), rapid prototyping methods, computer numerical control (CNC) programming and operation, manufacturing methods, computer aided manufacturing (CAM), industrial robotics, robot programming/operation, and integrated manufacturing systems simulation. Students use CNC equipment to produce actual models of their three-dimensional designs.

CONSTRUCTION SYSTEMS - Next Offered in 2025-2026

Grade: 10-12
Length: Full Year
Credit: 1.0
Prerequisite: DDP
Examination: Local exam

This course provides hands-on instruction in the construction aspects of production. Topics are specifically tailored to construction of a structure on a site. They include planning; sources of capital; and building foundations, superstructures, floors, walls, ceilings, and roofs. The impact of construction on the environment is addressed as well.

ARCHITECTURAL DESIGN - Next Offered in 2026-2027

Grade: 11-12
Length: Full Year
Credit: 1.0
Prerequisite: DDP
Examination: Local exam

The class provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. The course builds on the computer modeling skills that students develop in the DDP course and the knowledge of statics and mechanics of materials that are covered in the POE course. Topics of study include the roles of Civil Engineers and Architects, project planning, site planning, residential and commercial building design, project documentation and presentation.

PRINCIPLES OF ENGINEERING - Next Offered in 2026-2027

Grade: 11-12
Length: Full Year
Credit: 1.0
Prerequisite: DDP
Examination: Local exam

An integrative, hands-on, laboratory-based course which introduces students to concepts of engineering (ethics, design, modeling, optimization systems, technology/society interactions). These concepts are applied to solving problems contained in "real world" case studies. Case study abstracts relate to auto safety computer automation and control, energy, communications, structural design and designing technology for people with disabilities.

TECHNOLOGY ELECTIVES

HOME MAINTENANCE

Grade:	10-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

This ½ unit hands-on course introduces students to essential property maintenance skills needed for everyday life. Through practical demonstrations and interactive activities, students will learn how to perform basic repairs and maintenance tasks that keep a home running smoothly. During the course, students will develop problem-solving and critical thinking skills, get experience with tools and repair techniques, and will learn safety protocols and best practices for DIY tasks. Key topics include:

- Plumbing Basics – fixing leaks, unclogging drains and repairing faucets
- Electrical Fundamentals – understanding circuits, changing light fixtures, basic troubleshooting
- Seasonal maintenance – winterizing a property, preparing HVAC systems, managing outdoor spaces
- Automotive essentials – changing a tire, checking & topping off fluids, basic car upkeep
- General Repairs – simple carpentry tasks, patching walls, maintaining appliances

By the end of this course, students will be equipped with practical skills to tackle common maintenance issues and confidently handle routine property upkeep. This course is ideal for those looking to become more self-reliant and develop a foundational understanding of property management.

RESIDENTIAL STRUCTURES

Grade:	10-12
Length:	Half Year
Credit:	0.5
Prerequisite:	None
Examination:	Local

A ½-unit study of the many systems and skills involved in constructing non-high rise residential buildings. Course content includes resources (e.g. materials, supplies, and finances), processes (e.g. planning framing, roofing, and insulating), and outputs and effects (e.g. quality assurance, environmental impact, and economic consequences).

World Language Department

SPANISH 1A & 1B

Grade:	7 (1A) – 8 (1B)
Length:	2 Years
Credit:	1.0
Examination:	Regional Checkpoint A Exam

Spanish 1A and 1B are offered to Middle School students in grades 7 and 8. This two-year course culminates in one high school credit with the successful completion of the two years and the local exam administered during regent's week at the end of 8th grade. This course is designed to fulfill the World Language requirement for graduation.

NOTE: To receive High School credit for Spanish 1, students must pass all 3:

- **1 unit of Spanish 1A (grade 7)**
- **1 unit of Spanish 1B (grade 8)**
- **Regional Checkpoint A Exam** (administered during Regents Week in June for grade 8 students)

SPANISH I

Grade:	9-12
Length:	Full Year
Credit:	1.0
Prerequisite:	None
Examination:	Regional

This course is designed to fulfill the World Language requirement for graduation. The course is **required** for students who do not have a high school credit in a World Language class. The course exposes students to basic Spanish vocabulary as well as Hispanic cultural material.

SPANISH II

Grade:	9-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Spanish I or Spanish 1A/1B and Regional Exam
Examination:	Local (June)

Spanish II is a continuation of Spanish 1A and 1B and includes further development of the speaking, listening, reading, and writing skills, plus the introduction of new vocabulary and grammatical structures. Students are expected to comprehend more difficult spoken and written Spanish. Students continue to learn about the Spanish-speaking world through readings and media. Daily practice is required.

SPANISH III

Grade:	10-12
Length:	Full Year
Credit:	1.0
Prerequisite:	Successful completion of Spanish II
Examination:	Regional Checkpoint B Exam (June)

In this course, students continue to develop the skills used in Spanish II. Students read a variety of selected materials to help increase their vocabulary throughout the year. Students practice speaking the language and improving their listening skills in a variety of situations. Students further develop their

writing skills through letters, writing compositions, short stories, and journal entries. Daily practice is required.

SPANISH IV

Grade: 11-12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Prerequisite: Successful completion of Spanish III
Examination: MCC Midterm and Final Exam

This course is designed to accommodate students interested in attaining more fluent language ability through extensive practice in active (speaking and listening) and passive (reading and writing) skills. Emphasis is placed on the integration of content matter and higher-level thinking. Independent grammar practice facilitates mastery of structures at an individual pace. This course may also incorporate the use of literature, current events, topics of interest and the media. The opportunity to enroll in the Dual-credit course to earn 5 college credits is available at this level.

NOTE - Dual enrollment (DE) is dependent on enrollment in class, with a minimum of 6 or more students.

SPANISH V- AP SPANISH LANGUAGE AND CULTURE

This course is offered online through AccelerateU

Grade: 12
Length: Full Year
Credit: 1.0 – *Dual Credit Optional*
Prerequisites: Spanish IV and teacher/counselor recommendation.
Examination: AP Exam (May)

This course prepares students for the AP Spanish Language and Culture Test. It also provides instruction required senior year for students working toward a diploma with the Seal of Biliteracy distinction.

The course is based on themes required by College Board and uses as its foundation three modes of communication: interpersonal, interpretive, and presentational. Themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Aesthetics

The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students should expect to listen to, read and understand a wide variety of authentic Spanish language materials and sources and demonstrate proficiency.

NOTE - Students who show proficiency in listening, speaking, reading and writing in one or more World Language other than English may earn the New York Seal of Biliteracy designation (see page 9) for their diploma.

Career and Technical Education (CTE)

The Career and Technical Education (CTE) through Monroe 2 BOCES at the WEMOCO Career Center provides high school juniors and seniors with the opportunity to explore career fields while preparing for meaningful employment or post-secondary education. Their CTE programs develop technical and 21st century skills in classroom and laboratory settings. Programs are aligned to the 16 National Career Clusters and are relevant to career trends. WEMOCO collaborates with business and industry partners to provide students with a variety of work-based learning opportunities.

This option is available for Juniors and Seniors who are on track to graduate and have a good attendance record. Students need to apply early and talk with their counselor to ensure they have met the requirements necessary to participate in the Career and Technical Courses. An application and essay are required for students who wish to attend WEMOCO. Although WEMOCO is not located in the Wheatland-Chili District, transportation is provided for students. WCHS does not permit student drivers, therefore, all students must use the transportation provided.

Courses taken at the WEMOCO Career Center are credit bearing and will be reflected on report cards and transcripts.

Career and Technical Courses

Grades:	11–12
Length:	Full Year (1 or 2 years)
Credit:	4.0 credits per year

One-year and introductory courses are offered in morning and afternoon sessions. Two-year courses are offered for one morning session (12th grade) and one afternoon session (11th grade).

Integrated Academic Offerings and Dual Enrollment Credit

Students may be enrolled in **integrated courses**. The course work for these is infused in the CTE courses taken and credit is usually given at the completion of the 2nd year for 2-year courses. Integrated courses are identified in the course descriptions below following the course title as appropriate:

- ELA 12 (all courses taken during 12th grade possible credit, if schedule at home school requires)
- Math 3 – 1 credit
- Science 3 – 1 credit
- Health – ½ credit
- PE – ½ credit
- Participation In Government (PIG) – ½ credit

Dual Enrollment ^{DE} is also available through Monroe and Genesee Community Colleges at a reduced fee for a variety of courses. To see the specific college course equivalents for Dual enrollment, check out the **Dual Enrollment Information on pages 7-8**.

WEMOCO: Course Descriptions

For more information about each of the courses listed below and to see videos and flyers about them, go to the **WEMOCO CTE website**:

<https://www.monroe2boces.org/CTEProgramsandCourses.aspx>

AGRICULTURE, FOOD & NATURAL RESOURCES CAREER CLUSTER

CAREERS IN AGRICULTURE - 2 YEARS ^{Science}

Get your hands dirty as you dig into your future and feed your interests. Cultivate knowledge in horticulture, master the secrets of farm livestock, and embrace the art of conservation. Plant the seeds of opportunity as you work outdoors, alongside livestock, and with high-tech equipment. Harvest your potential in processing, marketing and distribution in the agricultural world.

ARCHITECTURE & CONSTRUCTION CAREER CLUSTER

CARPENTRY – 2 YEARS

Climb the staircase to success as you build a future with your craftsmanship. Frame walls, ceilings and roofs with skill. Engage in shop projects, make cabinetry like a pro and smooth things over with drywall. Lay a strong foundation for your future as you master hand and power tools, materials and fasteners. Construct a brand-new house on-site, learning the residential carpentry ropes from the ground up.

HEATING VENTILATION & AIR CONDITIONING (HVAC) – 2 YEARS ^{DE, Science}

Open the valve to the world of heating, ventilation and air conditioning. Get your potential flowing as you become a pro at residential plumbing. Heat up your future and learn to control the climate in residential and commercial settings. Master the coinciding electrical and welding skills. Venture into air distribution. Seal the deal with blueprints and drawings.

RESIDENTIAL & COMMERCIAL ELECTRICITY – 2 YEARS ^{DE, Science}

Brighten your future with the skills of an electrician and illuminate your path from novice to expert. Get plugged into electrical fundamentals and code. Spark your knowledge of wiring, grounding and advanced techniques. Electrify your future in installations and layouts. Equip yourself with the skills to light up homes and businesses, handle emergencies, and explore alternative energy sources.

ARTS, AUDIO/VISUAL TECHNOLOGY & COMMUNICATIONS CAREER CLUSTER

DIGITAL & VISUAL COMMUNICATION – 2 YEARS

Ignite your creative spark and add graphic arts and multimedia expertise. Harness the power of Adobe products to craft, design, edit and bring ideas to life. Draw upon art and design theory as you create captivating logos and marketing materials. Capture your audience at the click of a shutter as you focus on photography skills. Tell stories through images, words and videos, crushing communication goals.

EDUCATION & TRAINING CAREER CLUSTER

CHILD & FAMILY DEVELOPMENT – 2 YEARS ^{DE}

Play isn't just for kids - make a career of it! Build young children's abilities and support the next generation's physical, social-emotional and cognitive development. Nurture preschool students' growth by creating age-appropriate activities and facilitating a playgroup right in the classroom. Skillfully navigate the complex and diverse world of family needs including pregnancy, parenting and life challenges.

HEALTH SCIENCES CAREER CLUSTER

DENTAL ASSISTING – 2 YEARS ^{DE, Health, Science}

Shine in professional clinics and polish your skills on the way to becoming a registered dental assistant. Sink your teeth into diverse units of study like dental anatomy, infection control and clinical instruments. Get a taste for the essentials in patient care and emergency management. Brush up your skills in dental office settings during second-year internships as you explore dental specialties.

MEDICAL LABORATORY ASSISTING & PHLEBOTOMY – 2 YEARS DE, Health, Science

Put on your lab coat to enter the medical laboratory world. Immerse yourself in laboratory science, mastering microbiology, immunology, physiology and anatomy. Learn the language of health professionals as you navigate the clinical landscape. Glove up to prioritize safety and learn lab operation skills. Gather vital medical information from real patients as you perform blood draws. The students complete their CPT by unpaid co-ops with local laboratories. Also in the first year, the students study human anatomy and physiology. In year two, coursework is completed to earn certification as a Certified Medical Laboratory Assistants (CMLA). Students participate in a minimum of 120 hours in external laboratory internships, such as working in a lab, working as a phlebotomist, and working on the customer service side of the lab. Transferable laboratory skills are used to perform basic biotechnological skills while learning content related to genetics, genetic testing and gene therapy. Students also earn American Red Cross CPR/AED and First Aid certification.

NURSE ASSISTING & ASSOCIATED HEALTH CAREERS – 2 YEARS DE, Health, Science

Become a healthcare hero, honing the fundamentals of patient care for entry-level healthcare roles. Learn the human body's intricacies through anatomy and physiology lessons. Ensure patients feel safe and comfortable as you perfect admissions, transfers and discharges. Train to assist with personal care needs of patients. Support the well-being of the elderly during supervised clinical experience. Students who complete the New York State required classroom and clinical hours are eligible for the New York State Certified Nurse Assistant licensing exam.

HOSPITALITY & TOURISM CAREER CLUSTER

BAKING – 1 YEAR

Transform into a pro in the kitchen as you use the science of baking to turn ingredients into delectable items. Create bread, pizzas, cakes, cookies and pastries as a culinary artist. Learn to handle food safely while weighing and measuring recipes. Frost cakes in sweet styles. Dive into merchandising and customer relations as you operate a retail bakery. Discover this recipe for a fulfilling and stomach-filling career.

CULINARY ARTS – 2 YEARS DE, Science

Stir, sauté and sizzle your way to a career in the kitchen. Get things cooking in professional kitchens and discover the secrets of nutrition, menu planning and catering. Feed your appetite for knowledge in dining service and restaurant management, ensuring your career is seasoned to perfection. Explore a buffet of career opportunities and find your own secret ingredient to success.

HUMAN SERVICES CAREER CLUSTER

COSMETOLOGY – 2 YEARS Science

Style your future as you comb through the essentials of the beauty industry. Brush up on the secrets of the scalp and hair. Be a cut above the rest with professional hair cutting skills. Leave your mark on the world of beauty with creative hairstyling. Nail your skills in manicures, pedicures and nail art. Gain the professional skills and hours necessary to take the New York State cosmetology licensing exams.

EXERCISE SCIENCE – 2 YEARS DE, Science, PE

Power up your future as a fitness pro, whether it's in health, wellness, athletics or rehabilitation. Gear up for Personal Training certification and muscle your way through anatomy and exercise physiology. Kickstart your professional fitness journey as you take your health and physical fitness knowledge to the next level. Flex your muscles as a scaling guru as you sculpt custom-fit exercise programs.

INFORMATION TECHNOLOGY CAREER CLUSTER

COMPUTER TECHNOLOGY – 2 YEARS ^{DE, Math}

Level up your computer skills from gaming to hardware and more. Open the portal to the exciting world of CompTIA A+ certification, Cisco Networking Academy, tech support and video game design. Boot up your understanding of personal computers and conquer the realms of building and maintaining PCs with skill. Emerge as a tech-savvy professional, equipped to face any digital challenge.

MANUFACTURING CAREER CLUSTER

ADVANCED MANUFACTURING – 2 YEARS ^{DE}

Shape the future as you wield lathes, mills, and saws to craft metal into incredible parts. Get hands-on with computers and high-tech software to design and build your projects. Have an expert eye for safety and quality. Set your sights on in-demand careers.

WELDING – 2 YEARS

Sculpt a fiery future in welding, the craft of fusing metal. Master industry-standard techniques and the art of joining, cutting, and shaping with precision. Gear up for a journey that flames your creativity, from understanding the basics to cutting through challenges. Unleash your creativity, transforming raw metal into works of art. Forge a red-hot path in the world of metalwork.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY CAREER CLUSTER

CRIMINAL JUSTICE - 1 YEAR ^{DE, PE, PIG}

Crack the code for your future as you embark through law enforcement history and the intricacies of law. Navigate the tricky road of vehicle and traffic laws. Brief yourself on current affairs to stay ahead in the justice game. Get a grip on handcuffing and master the art of fingerprinting. Gear up for the action-packed world of emergency response and be the hero in security situations.

TRANSPORTATION & LOGISTICS CAREER CLUSTER

AUTO BODY & COLLISION REPAIR TECHNOLOGY – 2 YEARS ^{Science}

Discover the world of automotive transformation where you'll learn to restore cars, making dents, scratches and cracks disappear. Master repair techniques and unleash your creativity. Gain in-depth knowledge about car parts, safety practices and the significance of environmental responsibility. Open the doors to a future where you play a pivotal role in making cars look their best.

AUTOMOTIVE TECHNOLOGY – 2 YEARS ^{DE}

Shift into the inner workings of vehicles. Gear up to learn about topics like suspension, brakes and electrical systems. Gain a deep understanding using both computers and a variety of tools to test, diagnose and repair cars. Grease your mental gears as you move from car enthusiast to skilled technician. Accelerate your future success under the hood and solve complex technical problems.

HEAVY EQUIPMENT OPERATION & MAINTENANCE – 2 YEARS

Gear up for a career behind the wheel of big rigs and construction equipment. Start the engine of your career with basic operating techniques. Dig into the world of power tools and ensure machines stay in top shape through preventative maintenance. Drill further into your potential as you explore career opportunities and prepare for a commercial driver license (CDL).

OUTDOOR POWERSPORTS TECHNOLOGY – 2 YEARS

Start your adventure as a powersports pro. Master tools and equipment to support machines of all kinds. Fuel your future by immersing yourself in the diagnostics, troubleshooting and maintenance of powersports machines. Become a seasoned professional in pre-season and postseason care and storage. Find a smooth ride to success by understanding the mechanics behind the power.

INTRODUCTIONS PROGRAMS

Advancing Success in Career Readiness & Transferable Skills

CTE Introductions programs provide students with activities designed to develop transferable skills, career planning and industry content. These courses are directly aligned to viable employment options and to the CDOS credential. Opportunities to earn work-based learning hours are infused within the curriculum. In order to support students with special needs, these courses have classroom aid and smaller student-to-teacher ratios.

INTRODUCTION TO CONSTRUCTION TRADES (1 YEAR) - Start constructing your future. Build your skills and take your first steps into carpentry, HVAC, plumbing and electrical. Get a grasp on safety basics, learn the essential tools and begin to read blueprints. Amp up your employability skills and prepare to continue your skill building or enter the job market.

INTRODUCTION TO TRANSPORTATION TRADES (1 YEAR) - Buckle up and prepare for a fast-paced future. Explore auto body, small engine vehicles and automotive repair. Try your hand at interior and exterior cleaning, small engine maintenance, tire changes, tire rotations, and oil changes. Learn the basics of diesel engines and heavy equipment operation.

FOUNDATION PROGRAMS

Advancing Success in Career Readiness & Transferable Skills

CTE Foundations programs provide students with activities designed to develop transferable skills, career planning and industry content. These courses are directly aligned to viable employment options and to the CDOS credential. Opportunities to earn work-based learning hours are infused within the curriculum. In order to support students with special needs, these courses have classroom aid and smaller student-to-teacher ratios.

Building and Grounds Maintenance Fill your skill toolbox as you explore various trades. Equip yourself with lifelong skills in facility maintenance and landscape management. Learn how to be safe on the jobsite, whether it's waste management or snow removal. Try your hand at electrical, plumbing and interior painting. Explore exterior maintenance and horticulture.

Food Services Get a taste of the culinary world in a supportive kitchen environment. Savor the basics as you start a journey in the food industry and sharpen your culinary skills. Learn all about kitchen equipment, weights and measurements. Prepare food like a professional and learn how to present dishes with customer service, safety and sanitation in mind.

Life & Career Foundations Shape your skills and let your abilities shine. Start building communication, teamwork and time management skills – the keys to future success. Focus on completing tasks and following step-by-step directions. Join discussions, collaborate with your peers, solve problems and explore a variety of jobs in the classroom, building and community.

New Visions

A Career Exploration Program for Motivated Seniors

New Visions is a one-year career exploration program that provides highly motivated seniors with the opportunity to gain valuable insights into **Health Science** career options from a real-world perspective. Area businesses, colleges, health care and government facilities provide the setting for immersed learning in health careers including therapeutic services and diagnostic services.

Students have the opportunity to:

- Network with industry professionals
- Participate in job shadowing
- Earn high school and college credits

New Visions Program Structure

- New Visions classes are from 7:50 to 10:15 a.m. and follow school district calendars
- Three days a week, students participate in classroom instruction including social studies and health science
- Typically, students shadow health care professionals at participating facilities on Tuesdays and Thursdays
- School districts provide transportation to all New Visions locations

Career Exploration Activities Include:

- Shadowing health care professionals to get an up-close view of the demands and rewards of each career
- Participating in industry tours and field trips
- Interviewing professionals in the field
- Engaging with guest speakers
- Professional networking
- Developing mentoring contacts

Academic Credits

Students earn 4 high school credits for New Visions: 1 credit for Government/Economics and 3 elective credits

Students can earn dual enrollment credit for college courses

- HED 130 – Foundations of Personal Health and Wellness
- College dual enrollment options include Economics 101

Who Can Apply?

College-bound high school juniors with interest in health careers

Additional Considerations

- Students must not have behavior, attendance or discipline concerns during junior year
- Students must be able to successfully complete industry requirements for placement, which may include a background check, drug test and/or vaccinations