

CAMDEN CENTRAL HIGH SCHOOL
COURSE DESCRIPTION GUIDE
2016~17



Dear parents and students of CHS,

The purpose of this guide is to afford students and parents the opportunity to be knowledgeable about graduation requirements and the courses needed to meet those requirements. Students also have opportunities to take elective courses in their area of interest. The counselors meet with every student individually to create their schedule for the following year beginning in December. It is beneficial to look through this catalog before meeting with the counselor to familiarize yourself with the options available.

Our goal is for the student to make the most informed decision they can about their academic program and be an integral part of the planning process.

CHS Counseling Department

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COUNSELING & GUIDANCE DEPARTMENT

www.camdenschools.org/webpages/goffice
WHAT IS THE ROLE OF A SCHOOL COUNSELOR?

First and foremost, the school counselor is an advocate for the student and is vital in helping the student reach their fullest potential. Being an advocate does not mean that the counselor gives in to every desire the student may have. Rather, we look at the bigger picture and try to guide them to make the best decision for the present and the future, both socially and academically. Our goal is to prepare them for the demands of adulthood and to learn how to be a self-advocate so they can navigate their own life and become productive citizens.

Some of the services offered through the Counseling Office include:

Individual Counseling

Students may make regular appointments to visit their counselor or stop in for immediate assistance in a crisis situation.

Peer Groups

As the need arises, groups may be formed to discuss topics such as career planning, new student adjustment, peer relations and general school concerns.

Student/Teacher/Counselor Consultation

At times, a third party is needed to help resolve differences between a teacher and a student. We try to encourage communication between the teacher and student and help them resolve whatever issues are of concern.

Parent Meetings

Parents are an integral part of their child's education. We understand that there are many factors beyond school that impact a student's educational experience. Meeting and speaking with parents often leads to a better understanding of the student and how to best work with them to achieve in school.

Referral Service

The Counseling Office often acts as a referral agent for students with concerns that require more intensive intervention. We will often recruit help from outside agencies for more serious issues such as depression, drug abuse, pregnancy and suicide.

Career Planning

Career planning and exploration is an important part of high school so students are prepared about what options they have for the future and how to best prepare for them. The school counselors provide classroom activities in 9th and 10th grade to support the career exploration and development process.

College Planning

College planning involves research that should begin before a student is a senior. Counselors encourage planning for college in 9th grade and insure students are preparing themselves for the rigors of college. Many aspects of college planning are incorporated in the career planning classroom activities as they go hand in hand with each other. The PSAT is given in the fall of junior year as a practice for the SAT. We encourage students to take the SAT and/or ACT in the spring of their junior year as these are required or recommended for most four-year college programs. College representatives visit the Counseling Office throughout the year and students are encouraged to meet with them if interested in the college.

College Applications

The Counseling Office processes hundreds of college applications throughout the year. We encourage seniors to meet regularly with their counselor about the application process as there are numerous steps involved and many pieces to put together. Each year, more and more students apply to college online and this requires even more communication between counselor and student to ensure all the information is submitted in a timely manner.

Scholarships

The Counseling Office makes available to students numerous local and national scholarships

Class Night Scholarships are available in the Counseling Office beginning in late January and are presented in school ceremony in June. Rosters will be given to seniors in January.

Miscellaneous Scholarships are available throughout the school year. Information regarding these scholarships are on the morning announcements and posted on the Counseling website under scholarships. Check the website as it is updated frequently with new scholarships.

Planning Your Academic Program

Starting in late December, counselors will be going into Freshman English classes for a four-day Career Development and Exploration Unit. Students will be asked to assess where they best fit in the world of work through interest inventories and self-assessments. Researching a career of interest and writing a culminating essay are required components to this unit. Each student will then meet individually with their counselor to develop a graduation plan specifically designed for them.

Upperclassmen also meet individually with their counselor each year to discuss the coming year courses. Students often change their minds about career pathways so it is important to meet with their counselor every year to ensure the proper courses are scheduled.

The Counseling & Guidance Department operates as a team that allows students, parents, and faculty access to our services at all times. Although the counselor assignments are listed, we welcome any student, parent, or teacher questions regardless of assignments. We may have the counselor responsible get back to you, but we would be happy to start the process for resolving a concern. The counselors and their assigned part of the alphabet are listed below.

Mrs. Barbara Cittadino: bcittadino@camdencsd.org
A-F

Mrs. Christine Kio: ckio@camdencsd.org
G-M

Mrs. Tammy Kline: tkline@camdencsd.org
N-Z

Mrs. Michelle Mellon: mmellon@camdencsd.org
School Social Worker

If you have questions or concerns regarding course selections, graduation requirements or other academic or social concerns, please feel free to call the Counseling & Guidance Office at 245-3699 or email at the above addresses.

Below is a sample of the graduation plan that Freshman create with their counselor after the Career Exploration Unit in English class:

CAMDEN CENTRAL GRADUATION PLAN
H.S Counseling Department

Name: _____

Cohort: _____ Yr/Grad: _____

Address: _____

D.O.B.: _____ M / F

Phone #: _____

Diploma type: **Adv Regents** **Regents**
Local **CDOS** **CTE Endorsement**

8th grade	Cr	Exams	Junior	Cr	Exams
Foreign Language	1		English 11	1	
			US Hist/Govt	1	
			Science	1.25	
Total			Math	1	
			Health	.5	
Freshman	Cr	Exams	Phys Ed	.5	
English 9	1		Electives	1.5	
GHG 9	1				
Science	1.25				
Math	1				
Art/Music	1				
Foreign Language	1				
Phys Ed	.5		Credits		
			Senior	CR	Exams
Credits			English 12	1	
			Economics	.5	
Sophomore	Cr	Exams	Government	.5	
English 10	1		Phys Ed	.5	
GHG 10	1		Electives	4	
Science	1.25				
Math	1				
Phys Ed	.5				
Foreign Language or Electives	2				
Credits			Credits		
			Total		

Plans: _____

NCAA: _____

GRADUATION REQUIREMENTS

REGENTS DIPLOMA REQUIREMENTS

ADVANCED REGENTS DIPLOMA REQUIREMENTS

COURSES

4 credits of English

4 credits of English

4 credits of Social Studies

4 credits of Social Studies

3 credits of Mathematics

3 credits of Mathematics

3 credits of Science

3 credits of Science

1 credit of Foreign Language

3 credits of Foreign Language

1 credit of Art/Music

1 credit of Art/Music

.5 credit of Health

.5 credit of Health

2 credits of PE

2 credits of PE

3.5 electives

1.5 electives

22 total credits

22 total credits

EXAMS

65 or better on ELA Regents

65 or better on ELA Regents

65 or better on 1 Math Regents

65 or better on 3 Math Regents

65 or better on Global History Regents

65 or better on Global History Regents

65 or better on U.S. History Regents

65 or better on U.S. History Regents

65 or better on 1 Science Regents

**65 or better on 2 Science Regents
(Living Environment & a Physical Setting)**

**65 or better on Foreign Language Final
Exam**

DIPLOMA ENDORSEMENTS/OPTIONS

Honors endorsement:

Students can earn an Honors Endorsement on either the Regents Diploma or Advanced Regents Diploma by achieving 90% average on all Regents exams.

Career & Technical Endorsement:

Students enrolled in an approved Career & Technical program could earn a CTE endorsement

Mastery in Science and/or Math endorsement:

Students receiving an Advanced Regents Diploma must achieve an 85 or better on three Math Regents exams and/or 3 Science Regents exams

Local Diploma Option:

Students entering 9th grade in September 2011 or after classified with a disability still have the option of the Local diploma by achieving at least a 55 on the Regents exams.

Students entering 9th grade in September 2008-2010 and classified with a disability still have the option of the Local diploma by achieving at least a 55 on the Regents exams or passing the RCT's.

COURSE OFFERINGS BY DEPARTMENT

ART

Studio in Art
MVCC FA 101 Drawing
Studio in Ceramics
Studio in Graphic Arts

BUSINESS

Accounting
MVCC AC 110 Accounting
Career & Financial Management
MVCC IS 101 CAPPS/MVCC 102 CAPPS
Desktop Publishing
Financial Math
Microsoft Office 1
Microsoft Office 2
Personal Law
MVCC BM 120 Marketing
Webpage Design
Advanced Web Page Design
Youth Leadership

ENGLISH LANGUAGE ARTS

English 9
English 9 Honors
English 10
English 10 Honors
English 11
English 11 Honors
English 12
SUPA WRT 104 Writing Studio
SUPA ETS 142 Narrative in Culture
Theatre
Honors Theatre

LANGUAGES OTHER THAN ENGLISH

Spanish 1
Spanish 2
Spanish 3
MVCC Spanish 201
MVCC Spanish 202
MVCC Spanish 301
MVCC Spanish 302
French 1
French 2
French 3
MVCC French 201
MVCC French 202
MVCC French 301
MVCC French 302

MATHEMATICS

Applied Algebra
Algebra 1
Applied Geometry
Geometry
Intermediate Algebra
Algebra 2
Pre-Calculus
MVCC MA 151 Calculus
Foundations Math
Computer Programming

MUSIC

Concert Band
Mixed Chorus
Concert Choir
Orchestra
Music Theory 1
Music Theory 2

PHYSICAL EDUCATION

PE 9/10
PE 11/12
Health

SCIENCE

Living Environment
Living Environment A
Earth Science
Chemistry
Physics
General Chemistry
Meteorology
Environmental Science
ESF EFB 120 Global Env
MVCC CH 141 Chem
MVCC CH 142 Chem

SOCIAL STUDIES

Global History & Geography 9
Global History & Geography 10
US History & Government 11
US History & Government 11 AP/MVCC
Economics
Government
Current Events
Psychology
Sociology

TECHNOLOGY

Advanced DDP
Basic Electricity
Civil Engineering
CIM
DDP
Energy Systems
Principles of Engineering
Production Systems
Residential Structures
Transportations Systems
MVCC MT 140 CAD
MVCC ET 235 DE
MVCC MT 101 Eng Draw

Camden Central High School - Dual Credit Courses
Updated September 11, 2015

Camden High School Course	College Course Title	College Course #	Credits	Agency Awarding the Credits
SUPA WRT104 Writing Studio	Writing Studio I	WRT 105	3	Syracuse University
SUPA ETS142 Narrative in Culture	Narrative in Culture	ETS 142	3	Syracuse University
MVCC MA151 Calculus	Calculus 1	MA 151	4	MVCC
MVCC CH141 Chem	General Chemistry 1	CH 141	4	MVCC
MVCC CH142 Chem	General Chemistry 1	CH 142	4	MVCC
US History 11 AP	Am History 1492-1850	HI 111	3	MVCC
US History 11 AP	Am History 1850- Present	HI 112	3	MVCC
US History 11 AP (AP Exam Score)	Depends on the college		3	CollegeBoard
MVCC French 201	Intermediate French 1	FR 201	3	MVCC
MVCC French 202	Intermediate French 2	FR 202	3	MVCC
MVCC French 301	Advanced French 1	FR 301	3	MVCC
MVCC French 302	Advanced French 2	FR 302	3	MVCC
MVCC Spanish 201	Intermediate Spanish 1	SP 201	3	MVCC
MVCC Spanish 202	Intermediate Spanish 2	SP 202	3	MVCC
MVCC Spanish 301	Advanced Spanish 1	SP 301	3	MVCC
MVCC Spanish 302	Advanced Spanish 2	SP 302	3	MVCC
MVCC AC110 Accounting	Principles of Accounting	AC 110	3	MVCC
MVCC IS101 CAPPS	Computer Application & Concepts 1	IS 101	3	MVCC
MVCC IS102 CAPPS2	Computer Application & Concepts 2	IS 102	3	MVCC
MVCC BM120 Marketing	Principles of Marketing	BM 120	3	MVCC
MVCC MT101 Eng Draw	Engineering Drawing	MT 101	3	MVCC
MVCC MT140 CAD	Drafting & Design using Auto CAD	MT 140	3	MVCC
MVCC ET235 DE	Digital Logic	ET 235	4.5	MVCC
MVCC FA101 Drawing	Drawing	FA101	3	MVCC

(MVCC drop date deadlines: 17th week for ½ year course, 37th week for whole year course)

Syracuse University Transcript Request Link:

<http://supa.syr.edu/blog/supa/wp-content/uploads/2013/07/New-transcriptsreq-form-7.10.13.pdf>

Mohawk Valley Community College Transcript Request Link:

Advanced Placement (AP) Score Reporting Service:

<http://www.mvcc.edu/registrar/transcripts>

<https://apscore.collegeboard.org/scores/score-reporting>

ART

Students must earn one credit in the art or music field to graduate from high school in NYS. The following are the Learning Standards established by NYS for the Arts:

Standard 1: Creating, Performing, and Participating in the Arts

Standard 2: Knowing and Using Arts Materials and Resources

Standard 3: Responding to and Analyzing Works of Art

Standard 4: Understanding the Cultural Contributions of the Arts

Studio in Art.....1 Unit

Studio in Art is a full year course that provides a generalized study of art media experiences. This course serves as an introduction to the other art courses offered at the high school. Students will experience both 2 and 3 dimensional art, develop an art vocabulary, be exposed to art history and understand the elements and principles of design.

Studio in Ceramics & 3D Design.....1 Unit

Ceramics and 3D design is a course designated to focus mainly on 3 dimensional forms. It will provide students with the opportunities to use their imaginations to create original pieces of art using the principles of sculpture and ceramics. This course will cover the basics of hand building pottery from pinching to the introduction of the potter's wheel. Students will also explore basic sculpture from additive methods to subtractive methods.

Prerequisite: Studio in Art

MVCC FA101 Drawing.....1 Unit and 3 MVCC credits

MVCC Drawing offers basic instruction of both drawing and painting techniques. Students will explore different art media ranging from charcoal and pastel to watercolor and acrylics. This class will allow students to learn fascinating new applications of familiar materials and to expand the basic skills learned in the past. Students will create work renders from real life as well as explore the world of abstract art.

Prerequisite: Studio in Art

Studio in Graphic Art.....1 Unit

Studio in Graphic Art is a full year course that provides a generalized study of printmaking experiences. This course allows the opportunity to learn about basic printing techniques to make multiples of student's artwork. Techniques that will be explored include brayer printing, collagraphs, monoprints, linoleum block printing, and reduction prints. Students will expand their art vocabulary, be exposed to art history and understand the elements of principles of design. There will also be a brief introduction to computer graphics.

Prerequisite: Studio in Art

Portfolio Development 1 &2.....1/2 unit each

Portfolio Development is an individualized course taken under the guidance of Mrs. Andrews. The overall goal of portfolio development is to help students who are planning to continue art at the college level generate a portfolio with a variety of artwork. This portfolio will be beneficial as they apply to colleges during their senior year. Students must meet with the teacher to lay out the area of study, expectations, time line, grading procedures and criteria. Students will meet with the teacher half way through each marking period to evaluate their progress and at the end of each marking period to discuss work submitted. Students should keep in mind that this course may prove to be more challenging than a traditional art course and students should be prepared for a significant amount of self-motivated work.

Prerequisite: Studio in Art, Graphic Arts, Drawing & Painting, Ceramics and permission of the teacher

BUSINESS

The Business Technologies Department helps students prepare for college, business and life by offering a wide-range of courses that link academic achievement to personal growth through curriculum applied to the business world. Students learn business concepts and use the computer with a variety of software programs to simulate real world activities. The following are the Learning Standards established by NYS for Career Development and Occupational Studies in which Business is a part of:

Standard 1: Career Development

Standard 2: Integrated Learning

Standard 3: Universal Foundation Skills

Standard 4: Career Majors

Accounting..... 1 Unit

This course provides students with an overview of the field of accounting. This course should be taken by any students considering business as a college major. Individuals enrolled in this full year course will learn how businesses keep financial records, prepare financial reports, and use computer software to create accounting documents. Students will practice through hands on work, the complete accounting cycle, double entry accounting and the steps to take in order to effectively carry out specific accounting tasks.

Grades 10-12

MVCC AC110 Accounting..... 1 Unit and 3 MVCC Credits

This course is designed to help students explore fundamental accounting principles and practices while doing college level work. Topics include: double entry accounting theory, steps in the accounting cycle, advanced financial statements preparation, special accounting applications and computer assisted accounting.

Prerequisite: Accounting

Career & Financial Management..... 1/2 Unit

In this half year course, students will develop the fundamental concepts and skills necessary to be successful in the world of work and personal finance. Areas covered include: the economy, business ownership, career interest assessments, career planning, employment research, interview skills, working conditions, time management, banking, budgeting, credit, taxes and insurance.

Grades 9-12

MVCC IS101 Computer Applications & Concepts..... 1 Unit and 3 MVCC Credits

This college level computer course is designed for students to learn how to create professional documents using Microsoft Office programs including: Word, PowerPoint, Excel, and Access. This course prepares students with computer skills essential for success in college and professional employment. Upon the successful completion of this course, students will earn 3 credits through MVCC.

Grades 11-12

MVCC IS102 Computer Applications & Concepts..... 1 Unit and 3 MVCC Credits

This half-year course enhances and builds on skills learned from IS101. Students will learn networking and security, how the Internet works, managing digital data, and database management. The knowledge gained through this course will help students become more productive as they use the computer to complete assignments. Upon the successful completion of this course, students will earn 3 credits through MVCC.

Desktop Publishing..... 1 Unit

This full year course focuses on gaining real world skills and knowledge. Throughout the course students will use professional level desktop publishing software (Adobe Photoshop and InDesign) to create publications such as newsletters, brochures, advertisements, flyers, tables, menus, greeting cards and many other business documents used today. Through hands-on work, using the programs and skills taught in class, students will be able to edit photographs and create documents in both print and digital media.

Financial Math..... 1 Unit

This course is designed for those students interested in studying essential math principles and skills needed to manage personal finances as well as succeed in the work place. Students will practice through hands-on work, the steps to take in order to effectively carry out specific mathematical and financial management tasks. Topics include: payroll, taxes, budgeting, banking, credit, loans, transportation, housing, insurance and cash sales as well as business specific math calculations. Special applications using the calculator and computer will be integrated into the course.

Grades 10-12

Microsoft Office 1/2 Unit

This course is designed for students learning introductory computer skills. In this class, students will refine typing skills while learning how to create documents using Microsoft Office data tables, letters, reports, drawing, spreadsheets, and PowerPoint presentations & introduction to GoogleDocs, which will prepare you for life in and after high school.

Personal Law..... 1 Unit

Personal Law students will acquire knowledge and understanding of topics such as: driving laws, harassment, drug possession, criminal law & procedure, littering, juvenile delinquency, cybercrime & cyber bullying, sexting, media censorship, gang violence, contractual agreements, marriage contracts/licenses, divorce law, renting a home, foster care, adoption, court systems, jury duty, and settling disputes. Students will also explore Forensic Science and how science can provide evidence in cases. Students will use research to inform the student body of these law concepts through projects displayed on bulletin boards. **Grades 10-12**

MVCC BM120 College Marketing..... 1/2 Unit and 3 MVCC Credits

This course takes students behind the scenes of marketing and entertainment promotions. This class appeals to male and female students who are interested in marketing. Students learn about the key functions of marketing and how these functions are applied in the world of advertising. Students identify themselves as a target market while participating in projects such as Brand Me. Basic marketing principles and practices including: marketing functions and policies, consumer demand, distribution channels, branding, promotion, advertising, pricing, place and location, ethics, global economic and legal implications will be covered.

Grades 10-12

Web Page Design..... 1/2 Unit

This course explores the principles and design of Web sites using Hypertext Markup Language and the web page editor software, Dreamweaver, as well as designing skills using Fireworks. Topics include: Concepts of the World Wide Web, security and privacy on the Internet, evaluating Web sites, planning a Website, creating digital images, HTML codes, Dreamweaver, and career exploration. Students will be expected to create two Web sites: "All About Me" and an E-Commerce site of their choice.

Grades 9-12

Advanced Web Page Design..... 1/2 Unit

This course is designed for students who have successfully completed Web Page Design and are interested in learning more about Adobe Creative Suite programs including Dreamweaver, Fireworks, and Flash. Students also learn how to promote their Web site by learning about Social and various promotional strategies. Students put together a digital portfolio to showcase their skills and knowledge of Web Page Design.

Prerequisite: Web Page Design.

Youth Leadership..... 1/2 Unit

This course is essential for any student seeking acceptance to college after high school. Extensive time is spent exploring majors, colleges, and the steps necessary to achieve their goals. Students will also create a Career Portfolio that will be helpful in planning for college and scholarships, while also reflecting on their time in high school and how to set new goals for post-secondary endeavors. Leadership skills will also be learned.

Grades 11-12

ENGLISH LANGUAGE ARTS

The English Language Arts curriculum focuses on the major aspects needed to be successful in college and the workplace. Listening, reading, writing and speaking skills are emphasized as critical to success in all areas of life. Four years of ELA are required for graduation in NYS. The following are the Learning Standards established for NYS for English Language Arts:

Standard 1: Language for Information and Understanding

Standard 2: Language for Literacy Response and Expression

Standard 3: Language for Critical Analysis and Evaluation

Standard 4: Language for Social Interaction

English 9.....1 Unit

The English 9 course will help students make the transition to the rigor of high school work. Emphasis will be placed on basic literacy skills concentrating on analysis and argument. Literary devices and rhetorical strategies will be reinforced as texts will be both fiction and non-fiction. Students will be instructed in the process of writing, from the planning stages to revision. This course will align with the NYS learning standards for reading, writing, listening and speaking.

English 9H.....1 Unit

The 9H option is provided for those students who have demonstrated an ability and willingness to work more independently. Materials and assignments may be more challenging, and discussion will be an integral part of the course.

English 10.....1 Unit

The English 10 course will expand on work done in the ninth grade. Improvement in the areas of reading, writing, listening, and speaking will be fostered through the skills of close reading and analysis in both fiction and non-fiction text, the process of writing, including planning, outlining, drafting and revision, research and the use of technology, as well as vocabulary study.

English 10H.....1 Unit

As with the 9H section, the 10H section is provided for students who wish for a more challenging environment and in-depth assignments. While the Honors sections are likely more rigorous, we encourage any hardworking student to join them, especially any student who wants to be prepared for college.

English 11.....1 Unit

The English 11 course will place emphasis on the specific skills required for success on the New York ELA Regents Exam. This examination, taken by all 11th grade students, serves as a benchmark, thus students are expected to demonstrate the culmination of the skills acquired and honed in ELA throughout their schooling. This course, too, will reinforce the writing process, including the building of claims and use of evidence for purposes of analysis and argument.

English 11H.....1 Unit

The 11H option is for advanced or highly motivated students, challenging them to read, write, and speak independently. Materials and assignments will be more difficult in 11H. Students interested in taking Project Advance should register for 11H.

English 12.....1 Unit

English 12 is a course designed to smooth the transition to college or the world of work. Because the Regents is given in the Junior year, the senior English course allows for a bit more flexibility and personal choice. The course begins with an intense composition and writing course, with some time allotted for resume writing and training to write college application essays. Other units will emphasize rigorous reading, analytical thinking, and writing for many purposes and audiences. Generally, students will experience themes and genres that they may have not encountered before in English classes.

SUPA WRT104 Writing Studio & SUPA ETS142 Narrative in Culture.....1 Unit and 6 SU credits

Syracuse University’s Project Advance (SUPA) in English provides highly motivated students with the opportunity to jointly earn college credit. Course expectations, as outlined by Syracuse University are above and beyond those required for English 12. The course, taught by adjunct Syracuse University instructors, provides 6 SU college credits and English 12 credit. Enrollment in these courses requires teacher and parental approval. SU course titles are Writing Studio (WRT 105) and Narratives of Culture (ETS 142). This is a demanding course; however, any student who desires this challenging transition to college is encouraged to register. Participating students seeking college credit are required to pay a tuition fee to Syracuse University. Scholarship assistance and a payment plan are available for eligible applicants.

Theatre 1.....1 Unit

Theatre I offers the “actor” in you a chance to act for class credit. Experiences include: participation in several productions and Traveling Children’s Theater, acting instruction, costuming, set design and construction, and a brief history of theatre.

After school and evening rehearsals as well as performances are required. This course will fulfill the art/music requirement for graduation.

Honors Theatre.....1 Unit

Honors theatre is a group of skilled theatre students who are selected by audition and portfolio. The group are guided by a faculty member, but are self-directed. Activities include: Participating in several full productions, directing skills, play writing, production skills and Shakespeare competition.

After school and evening rehearsals as well as performances are required. This course can be taken multiple times for credit, but requires an audition each time.

Prerequisite: Theatre I, audition, & portfolio

ELA AIS.....Non Credit Bearing

ELA AIS 9/10 - Extra individualized instruction in reading and/or writing is required for students in grades 9 and 10 whose standardized scores are below the state reference point. Students may also be recommended by an ELA teacher for this extra support. AIS classes are provided during the day in conjunction with English classes. Students receiving this instruction are being prepared to meet the minimum Regents examination standard. In addition, class activities and instruction are designed to build students’ skills in order to create confident learners who are able to read, write and think more independently.

ELA AIS 11/12 - Extra individualized instruction in reading and/or writing is required for students in grades 11-12 whose standardized scores are below the state reference point. Students may also be recommended by an ELA teacher for this extra support. AIS classes are provided during the school day and in conjunction with English classes. Students receiving this instruction are being prepared to meet minimum Regents Examination standards. Passing the New York State Regents Exam in English is a requirement for graduation.

LANGUAGES OTHER THAN ENGLISH

The Languages Other than English Department at CHS has two language offerings to choose from: Spanish and French. Typically, students take Spanish 1 or French 1 while they are in eighth grade and earn the high school credit. At least one credit of a Language Other than English is required to graduate in NYS. The following are the Learning Standards established by NYS for Languages Other than English:

Standard 1: Communication Skills

Standard 2: Cultural Understanding

Spanish 1.....1 Unit

Spanish I introduces students to the Spanish Language, while providing them with exposure to various Hispanic cultures. Students will be working towards basic proficiency in the language and global awareness of the Spanish-speaking world. Students will begin to develop their language skills in order to communicate in a language other than English. They will build upon their language skills by studying cognates and patterns within grammatical structures. Students will also develop their speaking skills and proper pronunciation through conversation and questioning. Students will be expected to read short passages for comprehension, and to write using complete Spanish sentences.

Spanish 2.....1 Unit

Spanish II reviews and builds on the vocabulary and structures of Spanish I. Students will continue to expand communication at a more comprehensive level of understanding the Spanish language and to explore Hispanic countries and usage of present and past tense structures. All of the modes of communication: reading, writing, listening and speaking are reinforced to prepare for the upcoming year and the New York State Regents Examination.

Prerequisite: Spanish 1 or permission of teacher.

Spanish 3.....1 Unit

Spanish III continues to build on the foundations set in Spanish I & II. This course develops the student's previous knowledge and understandings of the Spanish language and furthers students' communication skills using the structures of the past and present tenses and the addition of the future tense. Students will be able to communicate and express themselves through speaking and writing more accurately and fluently. They will also be reading and listening to more authentic and comprehensive texts and literature used to expand students understanding of cultures and customs of Hispanic countries. A district-wide final examination is given at the culmination of this course. Upon completion of this course and passing the exam students will have fulfilled the foreign language requirement for an Advanced Regents Diploma.

Prerequisite: Spanish 2

MVCC Spanish 201.....1 Unit and 3 MVCC Credits

This dual credit course is based on the supposition that students will be able to speak and write spontaneously on topics that relate to their lives and to the short stories, poetry, and cultural articles found in the text. This course is designed to be a second year college level course, improving the skills of listening, speaking reading, and writing.

Prerequisite: Spanish 3

MVCC Spanish 202.....1 Unit and 3 MVCC Credits

The intermediate sequence is designed to continue the development of the student’s ability to communicate in the language through the language skills of listening, speaking, reading, and writing. The sequence includes a review and further study of pronunciation grammar, and vocabulary. Materials concerned with culture, civilization, literature, contemporary issues, and everyday situations constitute the subject matter for communication. The second semester is the continuation of the first.

Prerequisite: MVCC Spanish 201

MVCC Spanish 301.....1 Unit and 3 MVCC Credits

This sequence expands the development of grammar, cultural understanding, conversation skills, writing, and reading through the study of modern literature.

Prerequisite: Successful completion of MVCC Spanish 201 and 202.

MVCC Spanish 302.....1 Unit and 3 MVCC Credits

This advanced sequence is designed to continue the development of the student’s language skills through the study of novels, poetry, plays, and artwork from the Middle Ages and Renaissance.

Prerequisite: Successful completion of MVCC Spanish 301.

French 1.....1 Unit

French I introduces students to the French language while providing them with exposure to various Francophone cultures. Students will be working towards basic proficiency in the language and global awareness of the French speaking world. Students will develop their language skills in order to communicate in a language other than English. They will build upon their language skills by studying cognates and patterns within grammatical structures. Students will also develop their speaking skills and proper pronunciation through conversation and questioning. Students will be expected to read short passages for comprehension, and write using complete French sentences.

French 2.....1 Unit

French II reviews and builds on the vocabulary and structures of French I. Students will continue to expand communication at a more comprehensive level of understanding the French language and continue to explore Francophone countries and cultures. Students will develop and use past tense, immediate future and will gain a stronger usage of present tense structures. All of the modes of communication: reading, writing, listening and speaking are reinforced to prepare for the upcoming year and the New York State Regents Examination.

Prerequisite: French 1 or permission of teacher

French 3.....1 Unit

French III continues to build on the foundations set in French I & II. The course develops the student's previous knowledge and understandings of the French language and furthers student's communication skills using the structures of the past, present, and the addition of the future. Students will be able to communicate and express themselves through speaking and writing more accurately and fluently than they have in the past. They will also be reading and listening to more authentic and comprehensive texts and literature used to expand students understanding of cultures and customs of Francophone countries. A district wide final examination is given at the culmination of this course. Upon completion of this course and passing the exam students will have fulfilled the foreign language requirement for an Advanced Regents Diploma.

Prerequisite: French 2

MVCC French 201.....1 Unit and 3 MVCC Credits

This dual credit course is based on the supposition that students will be able to speak and write spontaneously on topics that relate to their lives and to the short stories, poetry, and cultural articles found in the text. This course is designed to be a second year college level course, perfecting the skills of listening, speaking reading, and writing.

Prerequisite: French 3

MVCC French 202.....1 Unit and 3 MVCC Credits

The intermediate sequence is designed to continue the development of the student's ability to communicate in the language through the language skills of listening, speaking, reading, and writing. The sequence includes a review and further study of pronunciation grammar, and vocabulary. Materials concerned with culture, civilization, literature, contemporary issues, and everyday situations constitute the subject matter for communication. The second semester is the continuation of the first.

Prerequisite: MVCC French 201

MVCC French 301.....1 Unit and 3 MVCC Credits

This sequence expands the development of grammar, cultural understanding, conversation skills, writing, and reading through the study of modern literature.

Prerequisite: Successful completion of MVCC French 201 and 202.

MVCC French 302.....1 Unit and 3 MVCC Credits

This advanced sequence is designed to continue the development of the student's language skills through the study of novels, poetry, plays, and artwork from the Middle Ages and Renaissance.

Prerequisite: Successful completion of MVCC French 301.

MATHEMATICS

The Mathematics curriculum offers all students a solid mathematical foundation and the skills necessary to be competent in mathematics and be prepared for further education. All students are required to pass 1 Regents exam in order to be eligible to graduate in NYS as well as earn three math credits. All mathematics courses are aligned to the Common Core Mathematics Learning Standards.

Applied Algebra.....1 Unit

This is the first of a two-year course designed to prepare students for the Algebra 1 Regents examination required for graduation. Students who struggled in the middle school and/or would need further math experiences before moving into Algebra 1 should enroll/be recommended for this course. Work is done with properties of real numbers, operations with signed numbers and monomials, solving equations, basic problem solving, and word problems.

Algebra 1.....1 Unit

This is the first year in New York State's 3 year math sequence. Most of the traditional algebra material has been retained. Work is done with the solution of equations and inequalities, linear and inequality graphs, problem solving, quadratics, geometric formulas, ratios, proportions and percents, factoring and algebraic fractions. In addition, probability, statistics and coordinate geometry are included. An Algebra 1 Regents exam will be given at the end of the course. Both the course and the Regents exam are graduation requirements.

Applied Geometry.....1 Unit

This course is designed for the students who want to be challenged, but are not yet ready for the rigors of the Regents level Geometry. This course offers the essentials of the Regents level course, but more delicately covers the more in depth topics. Students will take a local exam at the end of the course.

Prerequisite: Algebra 1

Geometry.....1 Unit

Topics covered are: transformations in the plane, congruence, proving geometric theorems, doing geometric constructions, similarity in transformations and proofs, trigonometric ratios, circles and their theorems, proving geometric theorems in coordinate geometry, using volume formulas, and modeling geometric concepts.

Prerequisite: Algebra 1

Intermediate Algebra.....1 Unit

Intermediate Algebra is designed to satisfy the third Math credit necessary for graduation while it advances students' abstract thinking skills. Topics covered include: real numbers, polynomials, factoring, rational expressions, complex fractions, exponents, radicals, quadratic equations, radical equations, imaginary numbers, functions, solving equations, circles, trigonometric functions, graphs of trigonometric functions, trigonometric applications, trigonometric equations, and SAT review.

Prerequisite: Geometry or Algebra 1 with permission of instructor

Algebra 2.....1 Unit

Topics covered included are: solving and applying rational, polynomial and radical equations, complex numbers, trigonometric functions, real numbers, logarithmic and exponential functions, geometric series, probability, modeling data distributions, and drawing conclusions from samples and experiments.

Prerequisite: Geometry

Pre-Calculus.....1 Unit

This course is available primarily to math students that have been successful on the 3 Math Regents exams. Topics included are: sequences and progressions, theory of equations, matrices, functions and their transformations, Trigonometry, polar graphs, curve sketching, Algebra skills review, and an introduction to limits and differential Calculus.

Prerequisite: Algebra 2 or teacher recommendation

MVCC MA151 Calculus.....1 Unit and 3 MVCC credits

This course is equivalent to a one semester college level calculus course with an introduction to second year calculus topics. The concepts of differential and integral calculus are introduced and applied. Students who have participated in the Accelerated Math program from grade 7 and have completed Pre-Calculus have the math prerequisite for this course. More facts about this course are available from the Counseling Department, the MVCC website or the course instructor.

Prerequisite: Pre-Calculus and a minimum score of 38 on the MVCC Placement Test

Intro to Computer Programming.....1 Unit

This one semester elective course is an introduction to object-oriented computing. This course teaches students to manipulate two computer languages, C++, and the Alice System, to write software. In the C++, students will write code using logical structures defined by the language. In the Alice System, students will manipulate 3D objects in a well-engineered drag and drop environment. The goal of each of these languages is to see the underlying structure and logic that all computer languages share. A final project will be assigned at the end of the course.

Prerequisite: Algebra 1

Foundations Math.....1 Unit

A math course designed for students interested in continuing their study of math that will be used in their personal life, the workplace and/or for students entering some two-year college programs. Emphasis will be on application versus advanced math skills. Topics include critical thinking, finance, occupational math, technical math, construction math, and the use of computers using Microsoft Word, Excel, and PowerPoint with math.

Math AIS.....Non Credit Bearing

This course is designed to assist students in understanding the concepts taught in their respective math class. Students will be assigned to math lab based upon their eighth grade assessment score teacher recommendation based on student progress or graduation requirement needs. Instruction will be designed to re-emphasize the math concept needs of the student depending on their assessment goal

MUSIC

Students must earn one credit in the art or music field to graduate from high school in NYS. Any of the following courses will satisfy this requirement. The following are the Learning Standards established by NYS for the Arts:

Standard 1: Creating, Performing, and Participating in the Arts

Standard 2: Knowing and Using Arts Materials and Resources

Standard 3: Responding to and Analyzing Works of Art

Standard 4: Understanding the Cultural Contributions of the Arts

Concert Band.....1 Unit

Concert Band offers the opportunity to play in a large instrumental ensemble. Activities include: Study of quality literature with appropriate level of difficulty; training in technical areas including tone production, intonation, blending, and expressiveness; weekly group lessons and opportunities in extracurricular groups and community music events. This course can be repeated for credit and group lessons are mandatory for this course.

Prerequisite: None although prior experience is preferred

Mixed Chorus.....1 Unit

This course offers the experience of performing in a choral group to students interested in singing. Activities include: study a variety of quality music including Broadway, pop, jazz, classical and multicultural and training in basic vocal technique such as breathing, posture, tone production, and expressive singing. This course may be repeated for credit and is typically for 9th and 10th grade female students.

Concert Choir.....1 Unit

This course offers the opportunity for the experienced singer to participate in advanced choral group. Activities include: continued study of Broadway, pop, jazz, classical, and multicultural categories; study in advanced vocal technique and solo literature; opportunities in small choral ensembles and music festivals; advanced study in music notation and music theory; training in sight singing and performance in major concerts. This course may be repeated for credit and is designed for 11th and 12th grade females and 9th – 12th grade males.

Orchestra.....1 Unit

Orchestra offers the opportunity to play a string or wind instrument in a full symphonic orchestra setting. Activities include: study of quality orchestral music with the appropriate level of difficulty; training in technical areas including bowing, articulation, vibrato, blending, and musicality; study of musical terms, theory, and history; weekly group lessons, performance in 3 major concerts and participation in community music events. This course may be repeated for credit and group lessons are mandatory.

Music Theory 1.....1 Unit

This course offers a broad overview of music theory, music history and music appreciation. Activities include: music writing and listening skills; study of instrumental, choral and modern music history; achievement of basic guitar and piano skills and discussion of current music issues.

Music Theory 2.....1 Unit

This course is designed for the continuing music student to further explore composition, ear training, and analysis. Activities include: arranging a 4 part chorale; analyzing music of various time periods including most current music; composing original music; arranging for various groups and styles and ear training and sight singing.

Prerequisite: Music Theory 1 or permission of the instructor.

PHYSICAL EDUCATION

The Physical Education Department works to help all students develop health-related fitness, physical competence, cognitive understanding, and positive attitudes about physical activity so they can adopt a healthy and physically active lifestyle (NASPE, 2004). All CHS students participate in a variety of lifetime fitness activities, team sport-related activities, and individual activities. New York State requires all students in grades 9-12 to participate in Physical Education and earn 2 credits to graduate. Each year, students that fulfill the Physical Education requirements earn ½ credit. The following are the Learning Standards established by NYS for Physical Education:

Standard 1: Personal Health and Fitness

Standard 2: Safe & Healthy Environment

Standard 3: Resource Management

Individual Activities.....

Activities include: Archery, Badminton, Bowling, Dance, Orienteering, Pickleball, and Racquetball.

Lifetime Fitness Activities.....

Activities include: Bicycling, Cross-Country Skiing, Fitness Center (cardio equipment & weight training), Golf, Snowshoeing, Speed Walking, and Tennis.

Miscellaneous Activities.....

Activities include: Cooperative Games, Project Adventure, Speed Stacking, and Wellness

Team Sport Activities.....

Activities include: Basketball, Field Hockey, Football, Soccer, Softball, Ultimate Frisbee, and Volleyball.

Specific course procedures and policies are available from the CHS Physical Education Department.

HEALTH EDUCATION

The Health Education Department provides students the opportunity to improve their overall health and achieve a high level of wellness. Students will gain the necessary skills and knowledge that enable them to demonstrate health-enhancing behaviors that will promote total wellness in their lives. New York State requires all students to participate in one semester of Health Education. Upon completion of the course, students will earn ½ credit. The following are the Learning Standards established for NYS for Health Education:

Standard 1: Personal Health and Fitness

Standard 2: Safe & Healthy Environment

Standard 3: Resource Management

Health.....1/2 Unit

Topics include: Consumer Health, Cardiovascular Disease, Cancer, Eating Disorders, Nutrition, Alcohol, Tobacco and other drugs, Sexually Transmitted Diseases, Teen Dating and Violence, Rape, CPR, First Aid, and AED training. *Instruction is hands-only CPR/AED.

Health is a required course for graduation.

SCIENCE

The Science program at CHS offers a variety of courses for students of all ability levels. The goal of these courses is to teach students the concepts and skills that will enable them to problem solve and make informed decisions. The following Regents level science courses are offered: Living Environment, Earth Science, Chemistry and Physics. In addition to the daily lecture class, students are scheduled for a separate lab class that meets every other day. Each class has a Regents exam that counts as 20% of the overall science grade for the year. Students must have a minimum of 1200 minutes of hands on lab experience and labs done satisfactorily to be eligible for the exam.

Locally developed Science classes include General Chemistry, Environmental Science and Meteorology. One College level course is offered through MVCC and is for the advanced student in Science.

The following are the Learning Standards established by NYS for Science:

Standard 1: Analysis, Inquiry, and Design

Standard 2: Information Systems

Standard 4: Science

Standard 6: Interconnectedness: Common Themes

Standard 7: Interdisciplinary Problem Solving

Living Environment-Regents.....1.25 Units

This course is generally taken by 9th grade students and it is a required course for graduation. The course is designed to study the activities of life in accordance with the NYS Standards and Core Curriculum Guide for the Living Environment. The major topics covered in this course include: Ecology, Cytology, Human Physiology, Reproduction & Development, Genetics, Evolution, and Human Impact on the Environment.

Living Environment-Advanced.....1.25 Units

This course is offered to the advanced 9th grade student who earned Regents level Earth Science credit in 8th grade. This course is similar to Regents level Living Environment in every way except that it allows students to study the above topics in greater depth at their own pace. The student grades are derived from the same course material as in regular Regents level Living Environment.

Earth Science-Regents.....1.25 Units

This course is generally taken by 10th grade students who have previously taken Living Environment. This course is designed to study the natural processes that affect the earth in accordance with the NYS Standards and Core Curriculum Guide for the Physical Setting: Earth Science. The major topics covered in this course include: The Earth in Space, Energy Transfer Systems, Climate & Weather, Destructive Forces on the Earth's Crust, History of the Earth Recorded in Rocks, The Environment, and Oceanography.

Chemistry-Regents.....1.25 Units

This course is generally taken by 11th grade students and advanced 10th grade students who have previously taken Living Environment and Earth Science. The course is designed to study the composition of matter and the changes it undergoes in accordance with the NYS Standards and Core Curriculum Guide for the Physical Setting: Chemistry. The major topics covered in this course include: Atomic Theory, The Periodic Table, Chemical Reactions, Acids & Bases, Kinetics & Equilibrium, Oxidation & Reduction, Organic Chemistry, and Nuclear Chemistry.

Physics-Regents.....1.25 Units

This course is generally taken by 12th grade students and advanced 11th grade students who have previously taken Living Environment, Earth Science and Chemistry. The course is designed to study energy and its transformations in accordance with the NYS Standards and Core Curriculum Guide for the Physical Setting: Physics. The major topics covered in this course include: Mechanics (a study of forces, motion, momentum, and energy), Projectile Motion, Wave Theory (light and sound), and Electricity and Magnetism.

General Chemistry.....1 Unit

This course is generally taken by 11th grade students who have previously taken Living Environment and Earth Science, *but who do not need a strong background in chemistry for future endeavors*. This course follows the Chemistry Core Curriculum Guide while allowing students to learn at a slower pace. Emphasis is on learning concepts through hands-on lab activities and less emphasis is placed on mathematical concepts. A project based final examination is given.

Meteorology.....1/2 Unit

This half-year class is designed for students who have a desire to learn more about the topic of weather. Topics include Thunderstorms, Tornadoes, Hurricanes, Weather Patterns, Climate, Weather Analysis, and Weather Forecasting. This Meteorology class is taken in conjunction with the Environmental Science course. A local final exam is given.

Environmental Science.....1/2 Unit

This half-year course is designed for students who have a desire to learn more about interactions between organisms and their environment. Topics covered include an Introduction to Environment Science, Wildlife Management, Population Ecology, Water & Atmosphere Resources, Land Use, and Alternative Energy Resources. This Environmental Science class is taken in conjunction with the Meteorology class. A local final exam is given.

ESF EFB 120 Global Environment1/2 Unit and 3 ESF Credits

Environmental problems make headlines every day. How can we help to develop participatory citizens who understand the complex scientific and social issues behind the headlines, make informed decisions, and meet these environmental challenges? How can students help shape the environmental future for the 21st Century and beyond?

This semester long class is designed for the student who is looking to gain the knowledge and tools to make informed decisions regarding the environment and the earth's future and be able to understand the connections between such varied topics as pollution, deforestation, climate change, acid rain, soil depletion, economics, evolution, history and social justice.

Pre-requisites: The student must have taken or be enrolled in Regents Chemistry.

MVCC CH141 & 142 Chem.....1.25 Units & 9 MVCC Credits

This double period class is designed for the academically ambitious student who wishes to experience the rigors and challenges of a college level chemistry course while still in high school. Students who satisfactorily complete the course earn 9 tuition free credit hours through Mohawk Valley Community College for **General Chemistry 1** (CH 141) and **General Chemistry 2** (CH 142). The course emphasizes a problem solving approach to chemistry along with formal written lab reports. The required textbook is Brown, LeMay, & Bursten's *Chemistry: The Central Science*. A comprehensive departmental exam prepared by MVCC staff is taken at the end of CH 141. The final exam at the end of CH 142 is a comprehensive ACS (American Chemical Society) examination. Good attendance is crucial to one's success in this college class because many of the lab materials are time sensitive.

This dual credit course is generally taken by advanced 12th grade students. Prerequisites include a GPA of 80 or better, 3 years of high school mathematics, and 4 years of Regents level science or currently enrolled in the 4th year of Regents level science. Historically, students finding success in College Chemistry have earned at least a 75% in all science courses and associated Regents Examinations. Enrollment will also be based on Department feedback regarding the students demonstrated work ethic and observed classroom performance. Students that have taken a science pass/fail will not be eligible for this course.

SOCIAL STUDIES

The Social Studies Curriculum in NYS covers many aspects of state, national and global history and politics. Four years of Social Studies is a graduation requirement for all students in NYS. The following are the Learning Standards established by NYS for Social Studies:

Standard 1: History of the United States and New York

Standard 2: World History

Standard 3: Geography

Standard 4: Economics

Standard 5: Civics, Citizenship, and Government

Global History & Geography 9.....1 Unit

Global History & Geography is a mandated ninth grade course in New York State's two-year program. The second half of the program will be completed in tenth grade, and students will take a Regents Examination covering both years. This course follows a chronological format organized around key themes and concepts. Students will investigate the following themes for various regions around the world from 1000 B.C. through the 1500's: cultural diffusion, migration, empires, belief systems, trade and conflict; investigate issues and themes from multiple perspectives, making global connections; extend and refine the use of social studies skills; know what is happening in areas, regions, and civilizations at given times.

Global History & Geography 10.....1 Unit

Global History & Geography 10 is the continuation of the chronological survey of world history and geography, and is a New York State graduation requirement. It covers the events of the 18th century through present day world events. The course requires the continued development of the following skills: note taking, outlining, library and computer activities, critical thinking, with an emphasis on historical terms, essay writing, and geography. The following themes will be investigated throughout the course: political and non-political revolutions, conflict, economic systems, turning points, political systems, and human rights.

US History & Government 11.....1 Unit

US History & Government is the third required Social Studies class for graduation in NYS. Students will explore, analyze, assess and examine several aspects of American History and Government from the Colonial Era through Modern America. Topics to be covered include: the U.S. Constitution, Reconstruction, The Gilded Age, The Progressive Era, American Foreign Policy, The 1920's and 30's, and Civil Rights. A required Regents Examination is given at the conclusion of the course.

US History 11 AP/MVCC.....1 Unit & 6 MVCC Credits

The goal of the AP US History class is to prepare students to take and pass the Regents Examination as well as the Advanced Placement (AP) exam given in May. Students may be eligible for college credit if they do well enough on the AP exam. Coursework will be more intensive than regular US History with more writing, reading, projects, and overall independence. Students should be prepared to spend a significant amount of outside class time reading and completing the required assignments. Students should have a strong average from Global History to be successful in this class.

Economics 12.....1/2 Unit

Economics 12 is a one semester course that emphasizes the study of economics and economic decision making. Students will learn basic economic concepts, analyze the role of the United States in the world market, use problem solving techniques to solve business and personal finance questions and participate in activities that will reinforce basic economic understandings and concepts. This is a required course for graduation.

Government 12.....1/2 Unit

Participation in Government 12 is a course that stressed the analysis of major issues facing the American public today. Students will be encouraged to understand and participate in the democratic process. Students will use a variety of resources to research topics, learn how to construct and use many different tools to gather data, write public policy papers dealing with various topics, analyze materials from all areas of the political spectrum, and complete a community service project or activity. This is a required course for graduation.

Current Events.....1/2 Unit

Through the use of multiple venues of media, students will be able to examine weekly current events while evaluating the relevance to their everyday lives. Examination of various current event topics such as: world affairs, economics, politics, environment, terrorism, social issues, technology, and even sports events and entertainment. Students will need to be able to appropriately express their views on current events.

For juniors and seniors ONLY.

Psychology.....1/2 Unit

Psychology is a one semester elective course whose purpose is to give a broad overview of human behavior. This behavioral science course is designed to read and discuss human behaviors in theory and then experiment in class to improve understanding. Topics to be covered include: Introduction to Psychology; Developmental Psychology; Learning, Memory, and Creativity; Perception, Motivation, and Emotions; Differential Psychology; Dreams; Management of Stress and Health; Abnormal Psychology; Human Relations; and History of Psychology.

For juniors and seniors ONLY.

Sociology.....1/2 Unit

Sociology is a one semester elective course whose purpose is to give insight into human relationships. This is a discussion oriented class that will include several different research projects. Topics to be covered include: The Sociological Perspective; Social Structure and Grouping; Socializing the Individual; Social Inequality (racism, gender differences); and Social Institutions. Movies such as The Breakfast Club, Scared Straight and Remember the Titans will be viewed and discussed to support the study of social issues in society.

For juniors and seniors ONLY.

Global History and US History AIS Labs.....Non-Credit Bearing

This course is designed to assist students in preparing for the Global History and/or US History Regents examination. Students will be placed in these labs based upon previous failure of Regents exams or those in danger of failing. Instruction will be designed to reemphasize the concepts and content needed to pass these required examinations.

SPECIAL EDUCATION

The Special Education Department at CHS is organized to meet the needs of students with disabilities in a variety of settings. The Committee on Special Education meets yearly on every student to determine the most effective plan for each individual. Case managers are assigned to each student as well to be a point of contact for the student, family and staff and to ensure the individualized education plan is employed.

Consultant Teacher Direct.....1 Unit each

Consultant Teacher Direct classes provide support to students within the regular classroom through the use of co-teaching and specialized inclusive techniques. Student IEP goals are met within the regular classroom. Inclusion classes are offered in: English, Social Studies, Science and Mathematics.

15:1 Classes.....1 Unit each

Students working toward a Local, Regents, or Advanced Regents diploma are afforded courses, in some academic areas, on a small group basis. 15:1 classes are available in most levels of all academic areas of study such as: English, Social Studies, Science and Mathematics.

Resource Room.....Non Credit Bearing

Resource Room services are provided to meet the goals and educational needs of students having an Individualized Education Plan (IEP) as recommended by the Committee on Special Education. Resource Room provides remediation in reading, writing, math and study skills and benefits students' instruction in other school courses through remediation and cooperation with other classroom teachers.

Life Skills.....

The Life Skills class is a basic skill class designed to meet the needs of those students working toward a CDOS Commencement Credential or a Skills & Achievement Commencement Credential as recommended by the Committee on Special Education. Students are integrated into General Education courses such as English, Social Studies, Science, Mathematics, Technology and PE as deemed appropriate. Skill building activities include Social Skills, Self-Esteem, Health and Hygiene, Community Living, Household Care, and Job Seeking Skills. This program has a holistic approach with an emphasis on safety, real-life situation, and skills for survival.

TECHNOLOGY

Technology courses at CHS are designed to help students apply technological knowledge and skills to design, construct, use and evaluate products that will serve human and environmental needs. The following are the Learning Standards established by NYS for Technology:

Standard 1: Analysis, Inquiry, and Design

Standard 2: Information Systems

Standard 5: Technology

Standard 6: Interconnectedness: Common Themes

Standard 7: Interdisciplinary Problem Solving

Advanced DDP.....1 Unit

The major focus of Advanced DDP is to expose students to finding solutions using the design process. Students will use CAD to design solutions to solve proposed problems and learn how to document their work. This is a project based course with projects being built based upon CAD drawings completed by each student.

Prerequisite: DDP

Basic Electricity.....1 Unit

This course provides a strong mathematical and scientific/technological base for the study of basic electronic components and circuitry. Topics include safety, direct current fundamentals and circuits, properties of magnetism and current generation, capacitance and inductance, alternating current, resistance, and AC to DC conversion circuits. Project based course where batteries, electric motors, magnetic switches, lighting circuits and printed circuit board kits are assembled.

Civil Engineering.....1 Unit

This is a full year course that involves designing and building different types of residential and commercial structures. All drawing and design work is done on the computer using 3D CAD software. Students will also get hands on experience in model making. As a culminating course activity, students will design, develop drawings, and build a scale model of their dream home.

Computer Integrated Manufacturing (CIM).....1 Unit

This course provides students the opportunity to design and develop computer generated models that can then be produced on a computer controlled machine. This course is project based and student driven with a majority of the coursework being hands on. Other areas explored in this course include robotics, fisher-technics, vinyl sign cutting, computer controlled milling and routing and computer controlled laser engraving. Everything in this course is computer controlled and students will learn different programming techniques and strategies.

DDP (Design and Drawing for Production).....1 Unit

This course provides opportunities in design and drawing through creative thinking, decision making, and problem solving experiences. It emphasizes strategies of design and drawing appropriate now and in the future. A shift from conventional learning methods to this problem-approach method is the basis for this course. A series of projects will be built including a puzzle cube, a bridge, a robotic arm, a ball launching machine, a rocket, a spring powered car and more. This full year course fulfills the Art/Music requirement for graduation.

Energy Systems.....1/2 Unit

This ½ unit course provides instruction on the study of the forms and sources of energy, energy conversion, the laws of thermodynamics, solar heating and cooling, energy conscious design, and photovoltaics. Students will build a model solar home as well as a wind powered activity. In the current climate of high energy prices, emphasis will be placed on renewable resources and new technology as well as energy conservation. This area of study will experience huge job growth in the near future.

Principles of Engineering.....1 Unit

This course provides an overview of engineering and engineering technology. Students develop problem solving skills by tackling real world engineering problems. Through theory and practical hands on experiences students address the emerging social and political consequences of technological change. Students learn about the problem solving and how products are developed to include how engineers work in teams. Students will learn about mechanical, thermodynamics, fluid, electrical, and control systems. Students learn the categories and properties of materials, how materials are shaped and joined, and materials testing.

Production Systems.....1/2 Unit

This course provides instruction in the systems of manufacturing and construction, their resources, processes, products, and quality assurance. The impact on the society, the economy, and the environment is also covered. In this project based course, students will design and build from wood, metals, and plastics in a production run and then market and sell the product produced.

Residential Structures.....1/2 Unit

This course provides instruction on the study of many systems and skills involved in constructing non-high rise residential buildings. Course content includes, resources, such as materials, supplies, and finances; processes, such as planning, framing, roofing, and insulating; and outputs and effects, such as quality assurance, environmental impact, and economic consequences. This class involves both modeling and real life construction like doghouses and sheds. This is a project based hands on class.

Transportation Systems.....1/2 Unit

This course studies transportation on the land, in the air and on the sea. Lab work will involve working on small internal combustion engines, building balsam wood aircraft and constructing models of fiberglass boats. We will use the universal systems model (inputs, resources, processes, output, and control) tailored to transportation.

MVCC MT140 CAD.....1 Unit and 3 MVCC credits

This course provides the foundation and problem solving skills necessary to develop and interpret engineering drawings using the computer aided drafting software. Topics include assembly and detail drawing composition; design for assembly/manufacturing; geometric dimensioning and tolerancing; tolerance control and standard fits; fasteners; gearing; sheet metal developments; weldments; functional drafting techniques; and the development of 2D and 3D CAD generated drawings and system operations.

MVCC MT101 Eng Drawing.....1 Unit and 3 MVCC credits

This course covers basic technical drawing techniques to support engineering design. Topics include line types, dimensioning, orthographic projection, axonometric projection, auxiliary views, sectioning, and notations for machining operations.

MVCC ET235 DE.....1 Unit and 4.5 MVCC credits

This is an introductory course on digital systems. It starts out exploring numbering systems and codes. Combinational logic devices are studied at a functional level. Circuit analysis techniques that include Boolean Algebra and Karnaugh Mapping are studied and used to complete circuit minimization. Sequential circuits are covered, including latches, flip-flops, and stable and monostable multivibrators. Basic arithmetic operations and circuits are thoroughly explored. It concludes with a study of counters and registers.

CAREER & TECHNICAL EDUCATION AT MADISON-ONEIDA BOCES

The following courses are offered at the Rossetti Career and Technical Education Center at Madison-Oneida BOCES in Verona. Students attend Camden for approximately a half-day of instruction in their academic subjects and attend BOCES for a half-day of instruction in the Career and Technical Education (CTE) program of their choice. Offered at BOCES are 17 two-year courses typically for juniors and seniors and 5 one-year courses for accepted seniors. All CTE courses, except those indicated, are worth 3 units of credit for the first year completed, and 4.5 units for the second year completed. Some courses have additional core curriculum requirements.

AGRICULTURE & NATURAL SCIENCES

Conservation prepares students for careers in conservation and environmental science. Students study five key areas including: Forestry & Landscaping, Surveying, Fish & Wildlife Management, Forest Recreation Management, and Equipment Operation. Students spend time on trails, work on authentic field projects and also participate in running a maple syrup operation. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Finger Lakes Community College, Morrisville State College and Alfred State College.

Equine & Animal Science prepares students for careers in the equine and animal sciences field. Students learn to care, train, and manage a variety of horses. Students also travel to a live horse lab several days per week, working with six to eight horses to apply what they are learning in class. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Morrisville State College, Meredith Manor, and SUNY Cobleskill.

CONSTRUCTION TRADES

Carpentry prepares students for careers in building construction. Students learn to plan, design, estimate, and build residential structures. Class time is spent learning the fundamental principles and concepts of layout and design, rough framing, dry wall installation, basic electricity, masonry, plumbing, roofing, and more. This is a two year course that awards a total of 7.5 units of high school credit. This program may also award professional certifications, licenses, and other industry credentials.

Electrical/HVAC prepares students for careers in Electricity, Heating, Ventilation and Air Conditioning. Students learn how to safely design, install and maintain electrical circuitry for fixtures and appliances in HVAC, and residential buildings. This is a two year course that awards a total of 7.5 units of high school credit. This program is connected to the National Center for Construction Education and Research.

Heavy Equipment students study and practice safety, construction theory, operator maintenance, equipment operation, basic surveying and more. A full array of modern equipment, including excavators, loaders, backhoes, dozers and graders and virtual simulators afford students opportunities to apply what they have learned in class to actual work sites. Step-by-step instruction in the operation of equipment is provided, culminating in an internship with a local employer. This is a two year course that awards a total of 7.5 units of high school credit. This program is connected to the National Center for Construction Education and Research.

HEALTH CAREERS

Health Related Careers prepares students for careers in nursing and healthcare. Students receive comprehensive instruction and training for the Nurse Aide Certification along with exposure to multiple areas of health care including nursing, emergency care, medical records, physical and occupation therapy, and nurse assisting. Students will work directly in the field, as they attend clinical training three days a week. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Mohawk Valley Community College and SUNY Canton.

HUMAN & PUBLIC SERVICES

Cosmetology prepares students for careers in business, beauty, fashion trends and more. Units of study include anatomy, dermatology, basic chemistry, communication, business, purchasing, inventory control, and more. A fully equipped lab and beauty salon provides hand-on experience answering phones, scheduling appointments, ordering inventory, and providing hair, nail, and skin care services for customers. This is a two year course that awards a total of 7.5 units of high school credit. If students complete the requirements, they will have the opportunity to sit for the NYS Board Licensing Exam.

Criminal Justice prepares students for careers in law enforcement. Students will study pre-law, criminal & traffic law, corrections, social services, probation, police investigative work, and much more. Students work with local police departments in police car ride-alongs, and serve at local events performing crowd & traffic control and security services. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Mohawk Valley Community College, Bryant and Stratton College, Herkimer County Community College and SUNY Canton.

Culinary Arts prepares students for careers in hospitality including hotel, restaurant and resort management, fast food, cruise industry, theme parks and more. Students learn the basics of baking, commercial food preparation, food service, fine dining, restaurant operations, catering, banquet operations, and much more. Students can specialize in baking, commercial food preparation, or front-end service. Seniors complete an internship at a local restaurant, bakery, hotel or food service facility as preparation for college or employment. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Mohawk Valley Community College, Morrisville State College and SUNY Cobleskill.

Early Childhood Education prepares students for careers in teaching and working with children. Students will work in a live on campus nursery school to assist them in learning how to meet the developmental needs and interests of young children. Topics of study include principles of classroom management, early learning & center-based management, interpersonal & communication skills, observation and assessment, guidance techniques, and the special needs child. Students will also participate in an off campus internship in a child care related field. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Mohawk Valley Community College, Herkimer County Community College, SUNY Canton and SUNY Cobleskill.

MECHANICAL CAREERS

Auto Body Repair includes elements in safety, welding, refinishing, repair estimation and much more. A fully equipped laboratory/shop helps students apply what they have learned in the classroom through hands-on training in the lab. Students learn basic safety, knowledge of equipment, tools and their maintenance, working with sheet metal, welding, fiberglass repair, and much more. Students gain industry experience through the completion of an internship with a body shop, dealership, or another business in a related field. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with the Lincoln Technical Institute, Morrisville State College and the Nashville Auto Diesel College.

Automotive Technology is a nationally certified program which includes rigorous academic instruction using a college-level textbook. Students study auto systems, diagnostic equipment operation, and much more. A fully equipped laboratory affords students hands-on training and instruction. Students in good standing may complete an internship with a local business. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with the Lincoln Technical Institute, Morrisville State College, the Nashville Auto Diesel College, SUNY Canton, the Universal Technical Institute and the University of Northwestern Ohio.

Recreation and Outdoor Power Equipment prepares students for careers in mechanical and welding services. Students study engine theory and operation, electricity, drive and transmission systems, diagnostics and repair, carburetion and more. Students learn to maintain and repair lawn mowers, tractors, all-terrain vehicles, snowmobiles, motorcycles and more. Seniors may complete an internship with a local business at the end of their senior year. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with the Lincoln Technical Institute, the Nashville Auto Diesel College, SUNY Canton, the Universal Technical Institute and the Ohio Technical Institute.

ENGINEERING & TECHNOLOGY

Computer Programming teaches students how to write computer programs in the C++, Java, and HTML languages as the primary infrastructure of web-based enterprise. Students learn web page development, computer software applications, database development, systems analysis, and much more. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Bryant and Stratton College, Herkimer County Community College and Mohawk Valley Community College.

Graphic Design prepares students for careers in the field of graphic design. Instruction and hands-on activities include working with principles of design, hand-drawing artistic creations, and/or designing and manipulating computer generated designs, using Adobe Photoshop principles and techniques, learning screen printing basics, and producing various advertisements, pamphlets, posters, and brochures. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Bryant and Stratton College, Mohawk Valley Community College, SUNY Cobleskill and SUNY Canton.

IT Systems/Cisco Networking prepares students for careers in the field of information technology. Students learn to successfully install, maintain, and repair computer networks and hardware/software upgrades. Students apply learning to real world projects such as building a computer network, installation, troubleshooting and repair of hardware and software problems, and setting up wide area networks. This is a two year course that awards a total of 7.5 units of high school credit. This program also has college articulations with Bryant and Stratton College, Herkimer County Community College and SUNY Canton.

NEW VISIONS ONE YEAR PROGRAMS FOR SENIORS

New Visions- Engineering not prepares students to meet college entrance requirements, but also, to successfully complete their engineering degree once in college. A few of the units of study include engineering systems analysis, hydraulics and thermodynamics, corrosion engineering and hydrology treatment systems. Students may enroll in a one-year option for their senior year, or for two years to complete a full Engineering Science program sequence. Students should demonstrate success in higher level math and sciences courses as a pre-requisite. This program also has college articulations with Clarkson University, Rensselaer PolyTechnic Institute, Rochester Institute of Technology, SUNY Poly Tech and Syracuse University.

New Visions – Allied Health is a program that provides an exciting one-year option for mature, college-bound seniors who are interested in health management and finance, patient care, medical science/technology and growing trends/ancillary services in the medical field. Students enrolled in the AHP program will earn four units of high school credit. In addition, students may earn advanced standing and/or college credits (dual credits) while in high school. This program also has a college articulation agreement with Morrisville State College.

New Visions- New Ventures programs offer exciting one-year options for mature, college-bound seniors who may be interested in professional careers in Engineering, Medicine, Healthcare, Law, Political Science, Emergency Medicine, Fire Science and STEM (science, technology, engineering and math). Students in New Visions programs engage in rigorous academic and college preparation activities, assignments and projects. In addition to classroom learning, students will be exposed to industry standards and workplace expectations through formal internships. Networking and interacting with professionals in a specific career field affords students unique advantages in preparing for college. In addition, students may earn advanced standing and/or college credits (dual credits) while in high school.

New Visions - Emergency Medical Services is a program that provides an exciting one-year option for mature, college-bound seniors who are interested in pursuing a career in emergency medical response, fire science or, as an EMT or paramedic. Students enrolled in the EMT program will earn four units of high school credit, will have the opportunity to receive their EMT certification and will participate in a variety of internships. Students may earn advanced standing and/or college credits (dual credits) while in high school. This program also has a college articulation agreement with Mohawk Valley Community College.