Dansville

High School

2026-2027

Course Description Book

(Revised 01/2026)

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COURSE SELECTION PROCESS

Step One: February - The Course Description Guide is made available to all students and their families by being posted online.

Step Two: February - Teacher recommendations for advanced classes are given to the counselors. These recommendations may be based on past achievement and test data.

Step Three: Late February through March - Students will meet individually with their school counselor to complete course requests for the following school year. A course verification form is sent home with each student for parent input and approval. Parents are invited to contact their child's school counselor to have any questions answered.

Step Four: May - Course requests are tallied for the entire school. These enrollment figures are used by department heads and administrators to make final decisions about course offerings and the number of sections required for the coming school year. Based on this information, the master schedule is created.

ADD/DROP PERIOD

Students are **HIGHLY** discouraged from dropping courses. However, in rare instances, students may participate in a drop conference by following the steps below. Any course that is dropped within the Add/Drop Period will not be listed on the student's transcript. If there is ever a time when a course is dropped after the Add/Drop Period, the student's transcript will show the course as withdrawn. Students will be able to change levels for a class at any time, with a recommendation from the teacher and parent. An example would be if a student is in Honors English 10 and is struggling, the student may be moved to English 10 without the change being shown on the student's transcript. When a student changes levels, the grade from the course they are dropping will remain on the student's transcript for the period of time that they were in the course. If a student changes courses in the middle of a marking period, the teachers of the dropped course and the new course will determine the grade for that marking period.

To drop or add a course before school begins, and through the first 5 days of the start of the course:

- A student or parent may call or email the student's school counselor to process a course drop or add.
- Only changes that maintain a course minimum and not affect the students' graduation credits will be approved.
- Changes that create an overload in a class will not be permitted.
- Certain course changes may require parent permission.

To drop or add a full-year course after the 5th day of the first semester:

- If a student wishes to drop a full-year course after the 5th day of the start of the first semester, or during the last week of the first semester, they must schedule a drop conference and follow the procedures below.
- Students may also drop or add a half-year course after the 5th day of the second semester:
- If a student wishes to drop a half-year course after the 5th day of the start of the second semester, they must schedule a drop conference and follow the procedures below.

DROP CONFERENCE PROCEDURE

1. In order to drop/add a course after the 5th day after school begins, the student or parent/guardian may call or email the school counselor to discuss a course drop request and the rationale for the change.
2. BOTH the student and parent/guardian must participate in a drop conference with the student's counselor.
3. A Drop/Add Form must be completed by the student, parent/guardian, the student's high school counselor, the teacher of the course to be dropped, and a building administrator(s).
4. If anyone on the Drop/Add Form disagrees with the course change, then an in-person conference with all members on the form may be required.
5. After the Drop/Add Form has been completed and submitted, a decision will be made at the sole discretion of building administration, as to whether the change will be permitted.

GRADUATION REQUIREMENTS & PROMOTION AND RETENTION

GRADUATION REQUIREMENTS

In order to earn a high school diploma, students must earn a minimum of 22 credits.
The credits and exams required to earn a diploma are listed below:

REGENTS DIPLOMA		
Required Courses	**Required Credits**	**Required Exams**
English Language Art	4	1
World Languages	1	Checkpoint A
Social Studies	4	1
Mathematics	3	1
Science	3	1
Electives	3.5*	0
Art/Music	1	0
Physical Education	2	0
Health	0.5	0
Pathway	0	1
TOTAL	**22**	**6**

REGENTS DIPLOMA with ADVANCED DESIGNATION		
Required Courses	**Required Credits**	**Required Exams**
English Language Art	4	1
World Languages	3	Checkpoint B
Social Studies	4	1
Mathematics	3	3
Science	3	2
Electives	1.5*	0
Art/Music	1	0
Physical Education	2	0
Health	0.5	0
Pathway	0	1
TOTAL	**22**	**9**

***Dansville High School requires students to attend, and receive credit for, Career and Financial Management. (This local requirement can also be met through CTE.)**

***It is expected for students in grades 9-12 to be enrolled in a minimum 6.5 courses each semester.**

PROMOTION AND RETENTION

Accumulation of credits towards New York State graduation requirements begins in the ninth grade.
Promotion to the next grade level is determined by the number of credits the student has earned during the school year.

Grade 9 to Grade 10	5.5 credits
Grade 10 to Grade 11	11 credits (or an approved plan to graduate with his/her cohort or early)
Grade 11 to Grade 12	16.5 credits (or an approved plan to graduate with his/her cohort or early)
Grade 12 to Graduate/Diploma	22 credits in required coursework

SUMMER SCHOOL

Some remedial and accelerated classes are offered during the summer school program. To take an accelerated course, the student must have met any pre-requisite requirements. If enrolled in summer school for remedial purposes, a student will be required to earn a specific summer school grade that will then be calculated into the school year course average (as indicated below).

CALCULATION OF GRADE/AWARDING OF CREDITS

** If a student is making up a full year class during summer school, the final summer school grade will replace the two lowest quarter grades in the school year, and an average of the grades will be awarded. For example:

- Student receives the following grades during the school year: Qtr 1-60, Qtr 2-60, Qtr 3-50, Qts 4-50 = Avg of 55 Overall
- Student receives a grade of 70 in summer school
- The new average will be: Qtr 1-60, Qtr 2-60, Qtr 3-70, Qtr 4-70 = Avg of 65 Overall

** If you are taking a class for the first time in summer school (half credit classes or double English 12) your summer school grade will be your final grade for the course.

DIPLOMA/CREDENTIAL OPTIONS & DESIGNATIONS

There are multiple pathways to graduation for students that include diplomas and credentials. A summary of each diploma type can be found at http://www.p12.nysed.gov/ciai/gradreq/Documents/DiplomaandCredentialSummary1.18.pdf.

DIPLOMA & CREDENTIAL TYPES

Please refer to the Graduation Requirements grid on the previous page and/or
visit the link above for details as to how to attain each type of diploma and/or credential.

DIPLOMA TYPES	Regents Diploma, Regents w/Advanced Designation Diploma, Local Diploma
CREDENTIAL TYPES	Career Development & Occupational Studies Certificate, Skills & Achievements Certificate

ADDITIONAL DESIGNATIONS

NEW YORK STATE DESIGNATIONS

Please refer to the Graduation Requirements grid on the previous page and visit the link listed
next to each NYS Designation for complete details and any additional requirements that may be needed.

Career & Technical Endorsement	Completes all credit and assessment requirements as listed for a specific diploma type. Successfully completes an approved career and technical education program, as well as the 3 part technical assessment designated for the particular approved career and technical education program which the student has completed. http://www.p12.nysed.gov/part100/pages/1005.html#carteched
Honors	Meets all assessment requirements for a Regents Diploma or Regents Diploma with Advanced Designation with a computed average score of 90 or better (no more than 2 Department approved alternatives may be substituted and will not count in the computed average). http://www.p12.nysed.gov/part100/pages/1005.html#diplomaHonors
Mastery in Math	Meets all assessment requirements for a Regents Diploma with Advanced Designation and, in addition, scores 85 or better on each of 3 Regents examinations in Mathematics. http://www.p12.nysed.gov/part100/pages/1005.html#regentsAD
Mastery in Science	Meets all assessment requirements for a Regents Diploma with Advanced Designation and, in addition, scores 85 or better on each of 3 Regents examinations in Science. http://www.p12.nysed.gov/part100/pages/1005.html#regentsAD
NYS Seal of Biliteracy	The New York State Seal of Biliteracy (NYSSB) recognizes high school graduates who have attained a high level of proficiency in listening, speaking, reading, and writing in one or more languages in addition to English. http://www.nysed.gov/world-languages/new-york-state-seal-biliteracy-nyssb
NYS Seal of Civic Readiness	The New York State Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. (Courses that may fulfill a requirement are noted in green under their description.) http://www.nysed.gov/curriculum-instruction/seal-civic-readiness
Dansville School District Seals	Formal recognition that a student has attained a high level of proficiency in one of the specialized areas offered by Dansville Central School District. (Courses that may fulfill a requirement are noted in green under their description.) https://hs.dansvillecsd.org/counseling-1/seals-and-endorsements

DANSVILLE HIGH SCHOOL DESIGNATIONS

Please refer to the Graduation Requirements grid on the previous page and visit the
Dansville Central School District's Board of Education Policy Manual for complete details.
"In the interest of encouraging and recognizing outstanding academic achievement, DCS awards the following designations."

Valedictorian	The valedictorian shall be the student with the highest average as computed at the end of seven semesters of high school. To be considered for this honor, a student must earn credit in at least two AP level classes. In the event of a tie for valedictorian, co-valedictorians shall be honored.
Salutatorian	The salutatorian shall be the student with the second-highest average as computed at the end of seven semesters of high school. To be considered for this honor, a student must earn credit in at least two AP level classes. In the event of a tie for salutatorian, co-salutatorians shall be honored.
Graduation with Academic Honors	An "Honors Senior" shall be a student who graduates with a 90.00% overall grade point average or is in the top 10% of the class, whichever population is greater. This student has the privilege of wearing a white stole that indicates "Academic Honors" at the graduation ceremony. The GPA used for this honor is determined after 7 semesters (or 5 semesters for early graduates).

COURSE DESIGNATION & DUAL CREDIT COURSES

COURSE DESIGNATIONS

Regents Credit Course: Students must pass the Regents Course with a score of 65% or higher to earn a Regents Course Credit.

- Students must pass Regents Exams with a 65% or higher to earn the Regents Exam credit for each exam.

Honors Designation: These are courses meant to challenge students with increased rigor. **Students will receive an additional weight of 5% added to their class average. (Ex: 90% x 1.05= 95%)**

Advanced Placement: These are college-level courses that provide a rigorous learning environment that will help prepare students to take the AP examination. **Students will receive an additional weight of 10% added to their average. (Ex: 90% x 1.1= 99%)**

- It is recommended, but not required, that students who take an AP Course also take the AP Exam.
  - Students do not need to pass the AP Exam to earn the AP Course credit.

Genesee Community College Credit Courses: Dansville High School has partnered with Genesee Community College to offer dual credit classes that enhance the learning experience and help prepare students for the transition to college and careers.

DUAL CREDIT COURSES

Students at Dansville High School have multiple opportunities to earn college credit while enrolled in high school classes.
These dual credit classes enhance the high school learning experience and help to prepare students for the transition to college and careers.

Dansville Course Name	AP Exam	GCC Course Name	GCC Credits	Semester
Algebra III		GCC MAT 136	3	Full Year
AP Biology	X			Full Year
AP Calculus AB	X			Full Year
AP Pre-Calculus	X			Full Year
AP Computer Science Principles	X			Full Year
AP Chemistry	X	GCC CHE 104	4	Full Year
AP English Language and Composition	X	GCC ENG 101	3	Full Year
AP English Literature & Composition	X	GCC ENG 105	3	Full Year
AP French	X			Full Year
AP Government	X	GCC POS 101	3	½ Year
AP Macroeconomics	X			½ Year
AP Modern World History	X	GCC HIS 101 & 102	3 each semester	Full Year
AP Physics	X			Full Year
AP Spanish	X			Full Year
AP Statistics	X	GCC MAT 129	3	Full Year
AP Studio Art	X			Full Year
AP United States History	X	GCC HIS 203 & 204	3 each semester	Full Year
Applied Algebra 2/Trig		GCC MAT 102	3	Full Year
CAD I		GCC EGR 118	3	½ Year
CAD II/Architecture		GCC EGR 103	3	½ Year
Career & Financial Management (CFM)		GCC CEP 101	3	½ Year
Chemistry		GCC CHE 103	4	Full Year
Honors Pre-Calculus		GCC MAT 140	4	Full Year
Statistics		GCC MAT 129	3	Full Year

ART

Department Members: Matt Buckholz/Kris Harrison

Beginning Art Courses

Studio Art

CRN: 7095

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This is a **beginning level** art course aimed at fostering an understanding of art theory, art criticism, art history, and art media. It explores a variety of media including watercolor, pencil, pastel, paint, and three-dimensional works. The Elements of Art (line, color, shape, value, form, space, texture) and the Principles of Design (balance, movement, contrast, rhythm, pattern, unity, and emphasis) are stressed in this course. This course is a prerequisite for all other art classes and it fulfills a student's one year of fine art credit to graduate. ***A minimum grade of 70% in Studio Art is a prerequisite for all intermediate level classes.***

Arts Exploratory

CRN: 7015

Grade: 9-12
Prerequisite: Recommendation from Art Teacher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This **beginning level** art course has a focus on the exploration of materials, learning basic art vocabulary, and developing motor skills within the art room. Students will focus on technical skills and improved fine motor skills and coordination. Adaptive materials, as well as input from OT and PT supports, will maximize benefits for students who may need extra support. Students may take this course consecutively over multiple years, as course content is modified to meet the specific needs of the student in the given year.

Intermediate Level Art Courses

Drawing & Painting

CRN: 7070

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

An **intermediate-level** of art that develops a foundation of exploratory experiences in drawing and painting. The class focuses on increasing visual literacy and provides students with a foundation of drawing and painting skills, creative problem solving, and idea development. Exploration of various media, techniques, and styles is stressed. Colored and traditional pencil, chalk, and pen and ink are used. Mastery of drawing leads to painting with watercolor, tempera, and acrylic. The Elements and Principles of Design are emphasized with mastery and experimentation. Each student is required to keep a sketchbook as a requirement of this course.

Studio in Art History

CRN: 7097

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This **intermediate-level** course will introduce students to art through both a hands-on and historical context. Beginning with Ancient Art and continuing through contemporary art, students will gain an understanding of artmaking by answering such questions as: "What music was being made at the time that painting was created? What historical events may have influenced artwork at the time? What scientific and mathematical discoveries were being made at the time that might have inspired the artist?" As students work through the timeline of art history, they will stop intermittently to create artwork based on the art movements being explored.

***** This course WILL NOT be offered during the 2026-2027 school year.***

Mixed Media

CRN: 7080

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

An **intermediate-level** art course aimed at teaching students how to combine traditional and alternative materials to create artwork. Students will have access to a variety of 2D and 3D media: from paint and pencil to fabric and metal. Techniques explored will include bookmaking, found object sculpture, fiber arts, collage, printmaking, and more! There is an emphasis on the exploration of materials, idea development, and craftsmanship.

ART

Public Art I

CRN: 7075

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

An **intermediate-level** art course, which will focus on the design and creation of public art including murals, sculptures, advertisements, mosaics, posters, and more. Students will work with other departments and staff members who are looking to "commission" work for the school. There will be an emphasis on working with a client and focusing on the audience of the work while creating an aesthetically pleasing piece of art. ***A minimum grade of 75% is a prerequisite to take Public Art II.***

Ceramics

CRN: 7025

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Ceramics is an **intermediate-level** art class that allows students to gain mastery and appreciation of clay, both as a natural element and a mode of creative expression. It also introduces materials and basic clay hand-building techniques such as coil, slab, drape, and pinch. After learning the basics, students will have the opportunity to develop greater mastery of technique through the completion of more difficult projects, including projects completed on the wheel.

Contemporary Crafts

CRN: 7110

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

An **intermediate-level** art class, which will focus on the theory that form follows function. This class will build on a wide range of art concepts through the exploration of media such as papermaking, fibers, jewelry, book arts, mosaic, and more. Students will create works that reference and reflect on historical, multicultural, and personally relevant themes.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Digital Art Foundations

CRN: 7046

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year (Fall)
Credit: .5
Examination: Local

Digital Art Foundations is an **intermediate-level** art class that focuses on new media and computer-based artwork. Students will have the chance to explore their creative ideas through technology. This course will explore concepts ranging from introductory animation skills to photo editing and manipulation to advertising and marketing design. Digital Art Foundations focuses on mastering the tools within Adobe Photoshop to execute photo editing, character design, basic animation skills, and introduces students to more complex Adobe Creative Cloud apps - including Illustrator and Animate.
****This course may fulfill a requirement for the Seal of Business/Culinary.***

Digital Photography

CRN: 7056

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Digital Photography is an **intermediate-level** art course that focuses on the art of capturing images with a camera. This course is intended to develop an understanding of the technical and aesthetic foundations of digital photography. Topics will include camera functions, using light, understanding subject matter, and creating successful compositions. Students will also learn how to edit their work and how to display their work in a variety of ways. There is an emphasis on developing a strong personal aesthetic while gathering a breadth of knowledge.
****This course may fulfill a requirement for the Seal of Business/Culinary.***

Visual Books

CRN: 7076

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

An **intermediate-level** art class, which will introduce students to the traditions and techniques of the handmade book. Types of books included pamphlet stitch, Coptic stitch, French stitch, Japanese stab binding, among others. Individual and group artists' book projects will be included in the course.
***** This course WILL NOT be offered during the 2026-2027 school year.***

ART

Printmaking

CRN: 7077

Grade: 10-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Printmaking is an **intermediate-level** course that provides students with experience in a variety of traditional, non-traditional, and digital printmaking materials, techniques and processes. These courses emphasize the fundamental processes of artistic expression through the creation of representational and abstract prints. Students learn about and practice responding to their own art for the purpose of reflecting on, and refining work; and that of others, including master printmakers, thought analysis, critique, and interpretation for the purpose of understanding how ideas are conveyed through printmaking.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Media Literacy

CRN: 7078

Grade: 11-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Media Literacy is an **intermediate-level** course that provides a history of the media, including advertising, persuasive techniques, and propaganda. Students will learn how contemporary and historical images are used to make art, sell products, motivate populations, and influence opinions. Students will learn to discern both the explicit and underlying messages within the media they view, and to evaluate the credibility of information. Topics may include issues surrounding television, internet, and other sources of media; and exploring alternatives to mainstream media.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Art for Consumption

CRN: 7079

Grade: 11-12
Prerequisite: Studio in Art 70% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

The Art for Consumption is an **intermediate-level** course that emphasizes applying the fundamental processes of artistic expression used in the fields of advertising and commercial art for the purpose of visual communication. This course offers practical experiences in generating advertisements, commercial art, logos, layouts, illustrations, displays, lettering, and works with a variety of media, techniques, and processes. It also includes preparing artwork for reproduction and presentation. Advertising Design courses present a historical and contemporary view of advertising art and commercial art. Students learn and practice responding to their own art and that of others including professional designers through analysis, critique, and interpretation.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Advanced Level Art Courses

Public Art II

CRN: 7074

Grade: 11-12
Prerequisite: Public Art I 75% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

An **advanced level** art course which will focus on the design and creation of public art, including murals, sculptures, advertisements, mosaics, posters, and more. This course builds upon the skills and knowledge gained in Public Art I and focuses on student-led development and execution of works of arts. Students will be responsible for working with other departments and staff members who are looking to "commission" work for the school. There will be an emphasis on managing fellow students in order to execute works of art that meet the high standards of the course, and district.

Advanced Art

CRN: 7121

Grade: 11-12
Prerequisite: Drawing and Painting 75% or Higher
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

An **advanced level** course in which students will work with drawing, painting, and mixed media materials in more depth. This course builds on the skills learned in 8th grade, Studio Art, and Draw/Paint. This course is more independent than other art electives and will push students to develop their skills in preparation for AP Studio Art. It is recommended that students consult with their art teacher prior to signing up for this course.

ART

Advanced Art – 3D

CRN: 7130

Grade: 11-12
Prerequisite: Ceramics 75% or Higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

An **advanced level** art course in which students will work more in-depth with clay. This course will allow students to work more independently than other art electives, giving students the opportunity to focus on developing their own artistic voices. It is recommended that students consult with their art teacher prior to signing up for this course.

***** This course WILL NOT be offered during the 2026-2027 school year.***

Advanced Digital Art: Animation

CRN: 7136

Grade: 11-12
Prerequisite: Digital Art Foundations 75% or Higher
Recommended: N/A

Length: Half Year (Spring)
Credit: .5
Examination: Local

An **advanced level** art course which will focus on expanding the skills attained in Digital Art Foundations. Advanced Digital Art: Animation introduces students to more complex Adobe Creative Cloud apps, including Illustrator and Animate Courses in this exploration of the purposeful arrangement of images, symbols, and text to communicate a message. With a heavy focus on Digital Animation, the student will create, develop, and manipulate images to produce cutting edge imagery. This course may include investigations of contemporary visual communications design. This course will also provide instruction in the process of responding to their own art for the purpose of reflecting and refining work, and analyzing the work of others, including master designers, for the purpose of interpreting meaning.

AP Art and Design - Drawing

CRN: 7095AP

Grade: 12
Prerequisite: Adv. Art 2-D 75% or Higher AND
Must Complete Summer Work
Recommended: N/A

Length: Full Year
Credit: 1

Examination: AP Portfolio Exam

The culminating level of Art offered at DHS, this course is recommended for students who plan to continue on in art following high school or highly motivated students interested in earning college credit for the art course. This is a fast-paced course and includes several summer assignments prior to the school year. At the end of the course, students will submit a portfolio of work to the College Board for review as the final exam for the course. It is recommended that students consult with their art teacher prior to signing up for this course.

***** This course WILL NOT be offered during the 2026-2027 school year.***

VISUAL ARTS DEPARTMENT

BEGINNING	INTERMEDIATE	ADVANCED
Studio Art Arts Exploratory (Available by teacher or counselor recommendation)	**FULL YEAR** Drawing and Painting Studio in Art History Ceramics Mixed Media Public Art 1 **HALF YEAR** Digital Art Foundations Digital Photography Contemporary Crafts Visual Books Art for Consumption Printmaking Media Literacy	Public Art 2 Advanced Art Advanced Art 3-D Advanced Art Digital Animation **COLLEGE LEVEL** AP Art and Design: Drawing

VISUAL ARTS SEQUENCE FOR ADVANCED REGENTS DIPLOMA

STUDIO ART + 4 ADDITIONAL ART CREDITS
(Additional 4 credits may be Intermediate or Advanced, or College Level)

The 5-credit visual arts sequence is an option available for students seeking Advanced Designation on their Regents Diploma

BUSINESS

Department Head: Kevin Geiger

Career & Financial Management

CRN: 5030

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course will provide students with the opportunity to explore a variety of careers, learn the skills and competencies needed for success in the workplace, and begin to become financially literate. Students will learn about cover letters, resumes, job applications, interviewing, and the basics of banking and budgeting.
This course covers the following topics associated with Personal Finance Education: Budgeting & Money Management, Credit & Debt Management, Earning Income, Risk Management, Saving & Investing.

*The course will be required as part of every career and technical education (CTE) program including five-unit CTE programs used as a substitution for the additional two units of foreign language needed for a Regents diploma with advanced designation.
****This course is required for all students as a local graduation requirement.**
This course may fulfill a requirement for the Seal of Business/Culinary.

Personal Money Management

CRN: 5071

Grade:9-12
Prerequisite: CFM
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course is designed to equip students with hands-on, lifelong skills including creating a financial plan for personal goals, monitoring and recording personal finances (banking), avoiding credit trouble, saving money for everyday and major purchases (auto, homes, etc), investing in stocks, bonds, and mutual funds, preparing income tax returns, and planning/preparing for retirement.
This course may fulfill a requirement for the Seal of Business/Culinary.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Business Management

CRN: 5055

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about many aspects of small businesses and being an entrepreneur. Students will learn about management skills, human resources, ethics, and other necessary skills to start and operate a small business. Students will be involved in planning and running their own mini small businesses and possibly the school store.
This course may fulfill a requirement for the Seal of Business/Culinary.

Outdoor Business Management

CRN: 5060

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about running businesses that operate in the outdoors including produce and fruit growing, maple syrup, honey, concession stands, and other outdoor recreational businesses. Students will create and run small businesses during class that are centered around outdoor activities. Students will learn about gardening and using a greenhouse during class and assist with the planting and care for both.
This course may fulfill a requirement for the Seal of Business/Culinary.

Business Law

CRN: 5020

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about the legal aspects of starting and running a small business. Students will discuss and learn about topics such as contracts, legal forms, insurance, wills, estates, tax and other financial documents, as well as other legal necessities for operating a small business.
This course may fulfill a requirement for the Seal of Business/Culinary.

BUSINESS

Advertising and Marketing

CRN: 5085

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about all aspects of advertising and marketing centered around operating a small business. Students will learn about and create advertising and marketing campaigns in all forms, including commercials, print, social media, billboards, and email campaigns. Students will assist clubs and other school organizations in marketing school events.
This course may fulfill a requirement for the Seal of Business/Culinary.

Entrepreneurship I

CRN: 5050

Grade:11-12
Prerequisite: CFM
Recommended: DDP

Length: Full Year
Credit: 1
Examination: Local

This course is designed to provide students with the opportunity to gain real-world experience by creating, developing, and managing a real-life and virtual business venture. Major topics include the entrepreneurship perspective, characteristics of successful entrepreneurs, starting and developing new business, financing the new venture, managing the business, and special issues including globalism. The *real-life* business venture will entail creating, marketing, and selling products produced by equipment such as the laser engraver and 3D printer. The *virtual* business venture involves multiple area schools that each create virtual businesses in which the participating students learn the basics of establishing, managing, financing, etc. their business. These businesses interact with each other simulating a virtual economy.
This course may fulfill a requirement for the Seal of Civic Readiness and/or Business/Culinary.

Entrepreneurship II

CRN: 5051

Grade:12
Prerequisite: Entrepreneurship I
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is designed to provide students with the opportunity to gain real-world experience by creating, developing, and managing a real-life and virtual business venture. The *real-life* business venture will entail creating, marketing, and selling products produced by equipment such as the laser engraver, vinyl cutters, and 3D printers. Students will be expected to take leadership roles as department leaders, and possibly volunteer for student officer positions. Students will also be in charge of the production and manufacturing of many different jobs which involve the use of various pieces of equipment in the technology room. They may also find themselves taking lead roles in accounting, finance, business administration, sales & marketing, or web design.
This course may fulfill a requirement for the Seal of Civic Readiness and/or Business/Culinary.

Accounting (Business Finance)

CRN: 5000

Grade: 10-12
Prerequisite: CFM
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Students will learn about financial transactions and record keeping necessary to run a small business. Basic accounting practices will be covered including financial statements, small business tax preparation, payroll records, and balance sheets. Basic accounting entries will also be covered along with using spreadsheets to track finances and transactions as well as creating financial reports. Students will learn life long financial skills, learning how to create a financial plan for personal lives. Students will work with credit, banking, investing, buying cars, buying houses, planning for retirement, among many other financial topics.
This course may fulfill a requirement for the Seal of Business/Culinary.

Advanced Accounting

CRN: 5000A

Grade: 12
Prerequisite: Accounting
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

The purpose of this course is to introduce students to accounting concepts, principles, and practices at an advanced level. Topics will include Departmentalized Accounting, Accounting Control Systems, and General Accounting Adjustments, Corporate Accounting, Management Accounting, Cost Accounting, and other accounting systems such as Not-For-Profit Accounting.
This course may fulfill a requirement for the Seal of Business/Culinary.
***** This course WILL NOT be offered during the 2026-2027 school year.***

BUSINESS

Culinary I

CRN: 6024

Grade: 10-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course is for the beginner to learn basics through advanced baking techniques and kitchen safety. Topics include kitchen safety, food safety,lab procedures, measuring skills, recipe reading, proper baking equipment, small tool use, quick breads, yeast breads and baking techniques. Designed around the book Baking School, and teacher made materials. Students must pass a kitchen and food safety exam and a lab procedures exam with at least an 80% to gain entry into labs. Labs are earned through positive progression of classwork. Students are required to follow safe lab practices including pulling hair back, pushing sleeves up, wearing closed toe shoes and an apron and washing hands. Students must learn where equipment is located and agree to put equipment away as well as respect lab space.
This course may fulfill a requirement for the Seal of Business/Culinary.
*** Formerly listed under "Family & Consumer Science."*

Culinary II

CRN: 6025

Grade: 10-12
Prerequisite: Culinary I
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about creating more complex and multi-step meals and baked goods. Students will work on altering recipes, adding their own seasoning to dishes, and eventually working without recipes. Students will examine and work with different pairings of dishes to create a full meal. Students will compete in class/school wide cooking competitions.
This course may fulfill a requirement for the Seal of Business/Culinary.
*** Formerly listed under "Family & Consumer Science."*

Culinary III

CRN: 6026

Grade: 11-12
Prerequisite: Culinary I & II
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Culinary III will allow students to work together as a team to develop all aspects of different meals to be prepared for selling through pre-orders. Students will develop recipes, determine input costs, set prices, develop menus, create an ordering and delivery system, and ultimately test, prepare, and sell meals to students and staff through the school store. Students will learn about all aspects of running a small food based business throughout Culinary III and Culinary IV.
This course may fulfill a requirement for the Seal of Business/Culinary.

Culinary IV

CRN: 6027

Grade: 11-12
Prerequisite: Culinary I, II, & III
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Culinary IV will expand upon Culinary III and further allow students to work together as a team to develop all aspects of different meals to be prepared for selling through pre-orders. Students will expand their offerings in their kitchen based business to be a menu offering different options rather than focusing on one thing each project. Students will learn about pairing different dishes together including a multi-course meal. Students will learn about all aspects of running a small food based business throughout Culinary III and Culinary IV.
This course may fulfill a requirement for the Seal of Business/Culinary.

ENGLISH LANGUAGE ARTS

Department Head: Jill Levee

English 9

CRN: 1200

Grade: 9
Prerequisite: English 8
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

In this course, students will develop analytical reading, academic writing, critical thinking, and presentation skills. Course content includes poetry, short story, drama, literary nonfiction, and informative texts. Analytical reading instruction will extend the understanding of language and literary techniques. Writing instruction will extend growth in the approaches of writing as outlined by narrative, expository, and argumentative tasks. Students will also develop skills in critical thinking, effective discussion and listening methods, and collaboration.

English 9 (Honors)

CRN: 1200H

Grade: 9
Prerequisite: English 8 with an *Application Process
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

In addition to the curriculum of English 9, the English 9 honors course is enriched and accelerated. More units are addressed rigorously. Students may be required to read one novel and complete related tasks over the summer prior to beginning 9th grade. Independence with literature is fostered. Critical writing based upon literature and nonfiction is the primary focus of the course. Students are expected to actively engage in all classroom discussions and activities.
***Interested students may complete an application process in the spring of their 8th-grade year. Submitted applications will be evaluated on the following criteria: demonstrated proficiency in reading and writing, achievement and work completion in ELA 8, and teacher recommendation.**

English 10

CRN: 1300

Grade: 10
Prerequisite: English 9
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Higher-level thinking skills are developed through the study of many forms of literature. Students deconstruct literature to analyze its elements, including the author's use of plot, setting, and characterization, as well as the treatment of various themes. Emphasis is placed on analyzing and writing about literature in all forms including drama, short stories, novels, poetry, and nonfiction. Students' appreciation of elements of literature throughout all genres is revealed via oral and written presentations. Writing skills are honed through peer review, guided formatting and structure, and the use of technology to enhance language and conventions.

English 10 (Honors)

CRN: 1300H

Grade: 10
Prerequisite: English 9 Honors
Recommended: N/A

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

Students are selected for this class by teacher recommendation based on English 9 performance, grades, and a written application piece. Summer reading and related tasks are required. More units of study are rigorously addressed throughout the year at an accelerated pace. Generally, text selections focus on World Literature with challenging, enriching texts, both fiction and nonfiction to support. Many titles are directly from the English AP Reading List. Strong independence with literature is expected. Writing projects emphasize comparing, contrasting, and interpreting reading materials. Success in this course may lead to AP courses at the 11th and 12th-grade levels. Students will take the Common Core English Regents Examination at the end of this course. This course will prepare students for the College and Career Readiness Standards, and begin the exploration of the AP curriculum.

English 11

CRN: 1400

Grade: 11
Prerequisite: N/A
Recommended: N/A

Length: Full Year
English 10 Credit: 1
Examination: NYS Regents Exam

Students read, write, and discuss all types of literature, focusing heavily on American literature. Learning tasks have a strong focus on analysis and the author's styles and devices. Emphasis is placed on interpretive writing and improving English skills through writing and study of writing, rather than on grammar or punctuation drill work. Additionally, this course includes strengthening writing for a Text Analysis Response and Argumentative Essay. This course prepares students for the Common Core English Regents Exam and College and Career Readiness Standards.

ENGLISH LANGUAGE ARTS

AP English Language and Composition

CRN: 1400AP

Grade: 11
Prerequisite: English 10 Honors
Recommended: English 10 Honors

Length: Full Year
Credit: 1
Examination: AP Exam

The purpose of this course is to help students "write effectively and confidently in their college courses across the curriculum and in their professional and personal lives" (College Board, AP English Course Description, 2010, p. 7). The course is organized according to the requirements and guidelines of the current AP English Course Description, and, therefore, students are expected to read critically, think analytically, and communicate clearly in both writing and speech. Generally, text selections focus on American nonfiction with other challenging, enriching texts to support. **Summer reading and related tasks are required.** This course will prepare students for the AP English Language and Composition exam; students should plan to take this test.

English 12

CRN: 1500

Grade: 12
Prerequisite: English 11
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is designed to develop reading, writing, analytical, and communication skills through the study of the literature of several time periods and genres. One objective is to foster an appreciation for this literature with applications to life situations. Homework is assigned daily with grades based on tests, quizzes, writing assignments, and participation in class discussions. There will be a heavy focus on college and career readiness, public speaking, and extensive research. This course is designed to prepare students for college English entrance exams and placement tests.

AP English Literature & Composition

CRN: 1500H

Grade: 12
Prerequisite: AP English Language & Composition
Recommended: English 10 Honors

Length: Full Year
Credit: 1
Examination: AP Exam

This is a college-level (ENG 105) literature and composition course where students engage in an intense study of representative works from widely recognized American and British literature. Through speaking, listening, and reading, but chiefly through their own writing, students will become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone. Independent work is expected with a heavy emphasis on reading and writing. Class participation is essential.

Issues in Science Fiction

CRN: 1570

Grade: 9-12
Prerequisite: English 8
Recommended: N/A

Length: Half Year
Credit: .5
Examination: N/A

This course will offer students an opportunity to evaluate the implications of technological and scientific advancement by looking at ethical questions raised through literature in the genre of science fiction. Non-fiction articles and research may accompany the reading and discussion of fictional literature to measure societal progress and consider possible futures. This course will uphold the Common Core English Language Arts standards.

***** This course WILL NOT be offered during the 2026-2027 school year.***

Creative Writing

CRN: 1550

Grade: 10-12
Prerequisite: English 9/English 9 (Honors)
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Portfolio

Students in this English elective will be required to produce written work that meets specific guidelines and criteria on a weekly, and sometimes daily basis. The creative process, from inspiration through publication and dissemination, will be explored. Poetry will constitute roughly half of the course. The other half will be devoted to short prose work; either fiction or creative essays. Reading will be assigned in this course at the discretion of the teacher.

Film Studies

CRN: 1560

Grade: 10-12
Prerequisite: English 9/English 9 (Honors)
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Video Project/Essay

This English elective course will examine the art of storytelling through exploring film. Students will be exposed to a wide range of classic films, directors, and actors from the earliest days of filmmaking through the present. Students will be expected to participate in discussions and craft analytic essays based on their observations and examination of the content viewed.

MATHEMATICS

Department Head: Marc Sylor

Extended Algebra 1A

CRN: 2210

Grade: 9-10
Prerequisite: Math 8
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is Year 1 of a two-year algebra sequence. This will begin to prepare students for their math Regents exam by introducing the graphing calculator and its many applications. The focus of this course will involve solving and graphing linear equations, algebraic concepts, and reviewing probability and statistics. This course will emphasize problem-solving strategies. The final exam will be a local exam given in June. ***Approved by NCAA for .5 course credit.**

***** This course WILL NOT be offered during the 2026-2027 school year.***

Extended Algebra 1B

CRN: 2220

Grade: 10-12
Prerequisite: Extended Algebra 1A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Algebra I

This course is Year 2 of a two-year algebra sequence. This will continue to prepare students for their math Regents exam by continuing to use the graphing calculator and its many applications. The focus of this course will involve solving and graphing quadratic equations, solving and graphing exponential, and exploring other non-linear relationships. The final exam will be the Algebra 1 Regents exam. Students will take the exam in January, and if needed or desired, again in June.
***Approved by NCAA for .5 course credit.**

Algebra 1

CRN: 2200

Grade: 9-10
Prerequisite: Math 8 or Accelerated Math 7 with 85% or higher
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Regents Algebra I

This course will prepare students for the first Regents Examination in mathematics by introducing the graphing calculator and its many applications. The focus of this course will involve solving and graphing linear equations, algebraic concepts, solving quadratics, exponential functions, probability, and statistics, all through the lens of functions. This course will emphasize problem-solving strategies and the final exam will be the Algebra Regents exam given in June.
***Students who go against the department's recommendation for Extended Algebra 1A and instead take Algebra, will need to maintain a marking period average of at least 75% to continue in the course.**
***Students associated with the accelerated pathway in Math will take the Algebra 1 course as an 8th-grade student.**

Geometry

CRN: 2400

Grade: 10-12
Prerequisite: Algebra I & Algebra I Regents Exam Credit
Recommended: 85% average or better in Algebra

Length: Full Year
Credit: 1
Examination: Regents Geometry

This course will prepare students for the second Regents examination in mathematics. Topics include geometric shapes, measures of geometric figures, transformations, triangle relationships, and angle measures. In addition, geometric and logic proofs will be studied. The final exam will be the Geometry Regents exam given in June.
***Students associated with the accelerated pathway in Math will take the Geometry course as a 9th-grade student.**

Algebra II

CRN: 2510

Grade: 10-12
Prerequisite: Geometry & Geometry Regents Exam Credit
Recommended: 85% or better in Algebra & Geometry

Length: Full Year
Credit: 1
Examination: Regents Algebra II

This course is designed to build upon previous skills and concepts presented in Algebra and Geometry. Topics include linear relationships, linear systems, quadratics, exponential functions, periodic functions, probability, statistics, sequences, and series. This course is recommended for students who have achieved at least an 85% course average in Algebra & Geometry. This course concludes with the Algebra 2 Common Core Regents Exam.
****This course may fulfill a requirement for the Seal of Business/Culinary.***

Applied Algebra 2/Trigonometry

CRN: 2550

Grade: 10-12
Prerequisite: Algebra I Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is designed to build upon previous skills and concepts presented in Algebra. Topics include linear relationships, matrices, linear systems, quadratics, exponential functions, and rational expressions. Additionally, statistics and various trigonometric topics will be studied. This course will conclude with a local exam in June.
***NCAA approved for .5 course credit.**

MATHEMATICS

Algebra III

CRN: 2600

Grade: 11-12
Prerequisite: Applied Algebra 2/Trigonometry (or Higher)
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is for students who wish to further their math background but do not wish to take Pre-Calculus. Topics include linear equations and functions, matrices and vectors, the theory of equations, sequences and series, conic sections, probability, and descriptive statistics. *NCAA approved for .5 course credit.

This course may fulfill a requirement for the Seal of Business/Culinary.

***** This course WILL NOT be offered during the 2026-2027 school year.***

AP Pre-Calculus

CRN: 2800H

Grade: 11-12
Prerequisite: Algebra II with Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Students in this course will further their analysis of math by studying various behaviors of functions, conic sections, and progressions, as well as trigonometry. Differential calculus and limits will be introduced. Graphical analysis, sequences, and series, and exponential and logarithmic functions will be studied. Real-world applications and applications of the graphing calculator will be emphasized.

AP Calculus AB

CRN: 2850H

Grade: 12
Prerequisite: Pre-Calculus
Recommended: N/A

Length: Full Year
Credit: 1
Examination: AP Exam

This course offers students an analytical approach to the study of functions, motion, and rates of change as well as distance, areas, and volumes. It is divided into two primary studies: Differential Calculus and Integral Calculus. The graphing calculator will be emphasized throughout to visualize, evaluate, and apply mathematics.

Consumer Math

CRN: 2300

Grade: 11-12
Prerequisite:
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course will complete a third or fourth year of a student's math requirement. The focus of this course will be to study a variety of math topics related to everyday applications. Topics include compound interest, simple interest, annuities, taxes, and mortgages. Exploration, technology, and projects will provide the student with a wide variety of math experiences.

This course covers the following topics associated with Personal Finance Education: Budgeting & Money Management, Credit & Debt Management, Earning Income, Risk Management, Saving & Investing.

This course may fulfill a requirement for the Seal of Business/Culinary.

***Not NCAA approved for core credit.**

Statistics

CRN: 2825

Grade: 11-12
Prerequisite: Algebra I
Recommended: Applied Algebra II or Algebra II

Length: Full Year
Credit: 1
Examination: Local

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to descriptive data with graphical and numerical techniques, binomial and normal description; probability distributions, estimation and sampling, hypothesis testing, and linear regression models. Emphasis is on practical applications, including the use of Google Sheets software.

This course may fulfill a requirement for the Seal of Business/Culinary.

AP Statistics

CRN: 2825H

Grade: 11-12
Prerequisite: Algebra II with Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: AP Exam

This course will be taught at the college level in preparation for the AP Statistics exam. The purpose of this course is to explore the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to several broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, Probability Models, and Statistical Inference.

This course may fulfill a requirement for the Seal of Business/Culinary.

MATHEMATICS

General Computer Science

CRN: 2252

Grade: 10-12
Prerequisite: Algebra 1 with Regents Exam Credit
Recommended: Applied Algebra 2/ Algebra 2-Trig

Length: Half Year
Credit: .5
Examination: Local Final Exam

This course is an entry level course in block programming. The goal of this course is to introduce students to the world of programming by creating apps that can be installed on phones and tablets. No programming knowledge is required, and students will be guided through various components of programming including lists, procedures, variables, and game sprites before being given the freedom to develop an app of their own design. This class will primarily use the MIT App inventor and Android tablets.
This course may fulfill a requirement for the Seal of Business/Culinary.

Applications of Programming

CRN: 3733

Grade: 10-12
Prerequisite: Algebra 1 with Regents Exam Credit
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Final Project

This elective will focus on using programming as a means to an end. The curriculum will focus on creating objects through 3d printing and scanning, exploring the world of programming sphero robots to accomplish specific tasks or meet the needs of the end user. We also will investigate programming drones along the same lines as the robots No prior programming knowledge is required, but an inquiring, creative, and innovative mindset is encouraged in this student-centered and project-based course. As a final project, we will each create and submit a high quality app to the app store for the general public to access, download, and use. The course is broken down into three core units of study:

1.) 3D Imaging and Printing
2.) Sphero Robotics
3.) Tello Drone Programming

AP Computer Science Principles (CSP)

CRN: 2250H

Grade: 11-12
Prerequisite: Algebra II & Regents Exam (65% or Higher)
Recommended: General Computer Science and/or Applications of Programming

Length: Full Year
Credit: 1
Examination: AP Exam

This course is designed to be accessible by ALL HS students. While the class is taught at the college level in preparation for the AP Computer Science Principles exam, the course requires only a limited knowledge of programming, which can be acquired through either General Computer Science or Applications of Programming. AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts and contribute to a computing culture that is collaborative and ethical.
***** This course WILL NOT be offered during the 2026-2027 school year.***

MUSIC

Department Head: Elizabeth Irwin

9-12 Mixed Chorus

CRN: 7531

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Mixed Chorus is composed of 9-12 grade students. There is no audition to become a part of this performing ensemble; however, a vocal pre-assessment will be required in order for placement. Repertoire for this ensemble is graded as Level 5 and Level 6, according to the NYSSMA manual. Rehearsals will encompass intense vocal work focusing on vowel production, posture, phonation, flexibility, sight-reading, and multicultural/bilingual pieces. **Group Instrumental Lessons**: A comprehensive study based on the specific voice type. Musical selections will include various solos, as per the NYSSMA manual, vocal technique and exercises, choral music, and duets. These are a requirement of the class.

Chamber Singers

CRN: 7535

Grade: 9-12
Prerequisite: *Audition Required, Enrolled in Chorus/Teacher Approved
Recommended: N/A

Length: Full Year
Credit: .5
Examination: N/A

The Chamber Singers is a select group of 9-12 Grade Singers. This is an auditioned ensemble. The music performed is Acapella, Vocal Jazz, and higher-level choral music. Students in this ensemble participate in All-County, Area All-State, Solo Festival, and ACDA Eastern/National Conferences. Multiple performance opportunities outside of school are expected of all members If you are interested, please see Mrs. Buckel for audition requirements.

9-12 Band

CRN: 7521

Grade: 9-12
Prerequisite: 7/8 Band or parent / teacher conference
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

9 - 12 Band is a music ensemble consisting of woodwind, brass, and percussion instruments at the high school level. Students are exposed to diverse repertoire, solo preparation, and have the opportunity to perform at seasonal concerts and audition for All-State and All-County festivals. Students in this group will participate in weekly, graded, pull-out lessons to further develop musicianship.

Drumline

CRN: 7566

Grade: 9-12
Prerequisite: 2 Years of Middle/High School Level Band
Recommended: N/A

Length: Full Year
Credit: .5
Examination: Local

Drumline is a year-long course where students have the opportunity to play and perform marching-style percussion. This group will perform at local events such as parades, school walks, and various concerts put on by the music department. This is an advanced course that explores all snare rudiments, advanced music notation, and performs by memory. Open to all students that have met the pre-requisite, including students that do not primarily play percussion.

Introduction to Music Theater

CRN: 7545

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course is an introduction to the world of musical theatre. Students will be introduced to the musical theatre form, the personnel involved in the making of a musical, and a brief history of the musical. Students will learn audition techniques, prepare songs from each of the stylistic periods studied, and perform this repertoire at established times throughout the year. Other topics of study include choreography, staging, director roles, and monologue work.

Music Theater II

CRN: 7546

Grade: 10-12
Prerequisite: Introduction to Music Theatre
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

The Musical Theatre II class seeks to develop a deeper knowledge of musical theater as a pilot of diversity, equity, inclusion, modern technology, and economic factors in our country and on a global scale. Students will delve into the roles in theater by being given leadership roles in the class. They will study composers, choreographers, directors, and producers and will build an understanding of how to successfully hold these jobs. Students will study acting techniques, direct their peers in scene studies, and prepare songs from each of the stylistic periods studied, performing this repertoire at established times throughout the year. They will also learn coaching and directing of their peers through song performance.

MUSIC

Music Theory

CRN: 7550

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Music Theory is for the student that is looking to broaden their understanding of how music works and how it is created. We will study, analyze, listen to, and compose music as well as strengthen existing skills learned in band or chorus.

Music Appreciation

CRN: 7541

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Students will learn a wide variety of musical styles and their histories, with a focus on the origins of rock and roll. We will examine how genres were developed, how genre is determined, and music's influence on culture as a whole. Course activities include listening to a variety of musical styles, researching different genres and artists, composing, learning how to play various instruments, in-class performances, and gaining an overall appreciation for music.

PHYSICAL EDUCATION & HEALTH

Department Head: Sean Race

***Additional Physical Education courses may be taken as elective credit with department approval on an individual basis.**
****All Physical Education courses include a mandatory aquatics unit.**

Physical Education [Phys Ed- Fall (0.25) and Phys Ed- Spring (0.25)]

CRN: 6610-FA and 6610-SP

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: .5 (0.25 Fall + 0.25 Spring)
Examination: Local

All students are required to participate in physical education every year that they attend school. Students are involved in activities that cover physical, mental, and social skills. They may select from a variety of games, sports, fitness, and aquatic units offered.

Adapted Physical Education

CRN: 6620

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: .5
Examination: Local

Students recommended by CSE participate in an alternate type of physical activity. Other students that are included in this type of class are those with short-term medical problems preventing them from participating in regular physical education classes.

Health

CRN: 6520

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students will learn about their overall wellness relating to their physical, mental, emotional, and social health. Students will gain knowledge and have a better understanding of the following topics: drug prevention, stress management, healthy relationships, human sexuality, and disease prevention.

SCIENCE

Department Head: Kevin Mialky

Life Science: Biology (Life Science)

CRN: 3205,3205L

Grade: 9
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

This course is the study of life, maintenance in living things (systematic approach), human physiology, genetics, reproduction, development, origin, and evolution of life, and ecology. Critical thinking and analytical skills will be emphasized. Completion of all state lab requirements is necessary before taking the final exam.
***Students associated with the accelerated pathway in Science will take the Biology course as an 8th-grade student.**

AP Biology (Life Science)

CRN: 3715H,3715HL

Grade: 11-12
Prerequisite:Life Science: Biology and Regents Exam Credit
Recommended: Chemistry and Regents Exam Credit

Length: Full Year
Credit: 1
Examination: AP Exam

AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time.
***** This course WILL NOT be offered during the 2026-2027 school year.***

Environmental Science (Physical Science)

CRN: 3760

Grade: 10-12
Prerequisite: Life Science: Biology and Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local / Project

A high school environmental science course that provides students with a foundational understanding of Earth's natural systems, the impact of human activities, and potential solutions for environmental problems, emphasizing the interdisciplinary nature of the field by integrating concepts from biology, chemistry, physical science, and social sciences to promote sustainability and responsible stewardship of the planet. Key topics include ecosystems, energy resources, natural resource management, climate change, pollution, biodiversity, and global environmental policies, often with a focus on hands-on activities, laboratory investigations, and critical thinking

Earth & Space Science (Physical Science)

CRN:3405,3405L

Grade: 10
Prerequisite: N/A
Recommended: Life Science: Biology

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

Throughout the course, students will engage in activities and investigations to help them develop scientific inquiry and data analysis skills. They will also make connections between Earth and Space Science concepts while engaging in crosscutting concepts, such as patterns, cause and effect, and systems and system models, and Science and Engineering practices, such as planning and carrying out investigations, analyzing and interpreting data, developing and using models, and engaging in argument from evidence.
***Students associated with the accelerated pathway in Science will take Earth & Space Science course as a 9th-grade student.**

General Earth Science (Physical Science)

CRN: 3450

Grade: 10-12
Prerequisite: Life Science: Biology and Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This class will focus on activities and projects pertaining to major concepts in Earth Science. Topics covered in this class include Measurement and Density, Rocks & Minerals, Weathering and Erosion, Plate Tectonics, Earthquakes, Volcanoes, Weather, Astronomy, and Global Climate issues. This course is designed for students seeking general background in Earth Science and does not include a separate lab section and students will not take the Earth Science Regents exam at the end of the year.

SCIENCE

Chemistry (Physical Science)

CRN: 3500,3500L

Grade: 11-12
Prerequisite: Life Sci: Biology & Earth/Space Sci Regents Exams
Recommended: N/A

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

This course is the study of atomic structure, chemical reactions, and the way in which chemical reactions are controlled. The emphasis is on the understanding of concepts, relationships, mechanisms, models, and applications within a framework of process skills. Major topics include atomic concepts, the periodic table, mathematical relationships, chemical bonding, the physical behavior of matter, kinetics and equilibrium, redox reactions, organic chemistry, and nuclear chemistry. A complete lab program is required to gain entrance into the Regents exam. It is recommended that students have a successful relationship with Algebra prior to taking Chemistry. GCC Chem 101 credit is available through the ACE Program.

General Chemistry (Physical Science)

CRN: 3510

Grade: 10-12
Prerequisite: 1 Science Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course covers the same content as Regents Chemistry with the exception of an additional unit on Biochemistry to replace the exam review at the end of the year. This may also be of interest to students who are going into the medical field. There is no separate lab section/requirement nor are students required to take the Regents Exam at the end of the year.

***** This course WILL NOT be offered during the 2026-2027 school year.***

AP Chemistry (Physical Science)

CRN: 3500H,3500HL

Grade: 11-12
Prerequisite: Regents Chemistry and Regents Exam Credit
Recommended: 85% or better Regents Chemistry Exam 90+
or 90% or better in Regents Chemistry Class

Length: Full Year
Credit: 1
Examination: AP Exam

This course builds on the content of Regents Chemistry and explores some topics while also introducing new, more sophisticated concepts. Students will assume greater responsibility for initiating their own lab inquiries and in applying more detailed theoretical analysis to their work. This means longer, more complicated experiments and difficult problem sets. GCC Chem 102 credit is available through the ACE Program.

Physics (Physical Science)

CRN: 3600,3600L

Grade: 11-12
Prerequisite: Regents Earth Science
Chemistry & Regents Exams Credits
Recommended: Geometry & Regents Chemistry

Length: Full Year
Credit: 1

Examination: NYS Regents Exam

This course investigates four main areas with nearly half of the year spent on mechanics, which includes forces, gravity, linear motion, two-dimensional motion, and energy. The other half of the year is spent studying waves, electricity, and nuclear energy. The objectives of the course are to explain and develop the concepts and mathematical models that lead to an understanding of mechanical occurrences in the real world. This course includes a lab requirement that is a prerequisite to sit for the Regents exam. Students can earn 4 college credits through GCC.

General Physics (Physical Science)

CRN: 3610

Grade: 10-12
Prerequisite: 1 Science Regents Exam Credit
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course covers the same areas as physics but with a focus on the physics of sports, music, energy, and astronomy. Numerous opportunities for hands-on activities are provided. The final assessment will be designed by the teacher and given in place of the Regents exam.

***** This course WILL NOT be offered during the 2026-2027 school year.***

AP Physics 1 (Physical Science)

CRN: 3600H,3600HL

Grade: 11-12
Prerequisite: Regents Chemistry or Physics and Regents Exam Credit
Recommended: Geometry and Regents Chemistry

Length: Full Year
Exam Credit: 1
Examination: NYS Regents & AP Exams

Want to be an engineer or major in science? This course covers the topics of Regents Physics and explores some additional topics and more sophisticated concepts. Students will assume greater responsibility for initiating their own lab inquiries and in applying more detailed theoretical analysis to their work. Strong abilities in mathematics are vital. Students can earn 4 college credits through GCC unless college credit was already earned for Regents Physics.

***** This course WILL NOT be offered during the 2026-2027 school year.***

SCIENCE

Introduction to Agriculture (Life Science)

CRN: 3740

Grade: 11-12
Prerequisite: 1 Science Credits and 1 Regents Exam Credit
Recommended:

Length: Full Year
Credit: 1
Examination: Local

This life science elective will focus on the fundamentals of Agriculture. It will include both physical science and biology topics. The course is meant to provide a hands-on and in-depth study of a variety of topics pertaining to agriculture, especially in New York. The student will use grow systems to apply different topics to live plants they will be growing. Students will learn the basics of growing plants, the importance of plants to humans, properties of soils, plant-soil interactions, plant deficiencies, plant health, fertilizers, water, land use, GMOs, orchard maintenance, maple syrup production, and the importance of honey bees. It will incorporate several standards in NYS standards including, Science, Math, Technology, ELA, Career, and Occupational studies, and the Arts. The curriculum will be supplemented with material from NY Agriculture in the Classroom, which is partnered with Cornell University, NYS Dept of Agriculture and Markets, Cornell Cooperative Extension, and NY Farm Bureau.
This course may fulfill a requirement for the Seal of Business/Culinary.

Science Issues & Topics Around the Globe I & II

CRN: I-3751, II-3752

Grade: 10-12
Prerequisite: 1 Science Credits and 1 Regents Exam Credit
Recommended:

Length: Fall/Spring
Credit: .5/.5
Examination: Local

This science elective will focus on evaluating current issues related to science and determining their significance and impact on society in the 21st century. The course will encourage students to explore a variety of science topics, current events, and debatable issues that are reported around the world. Some of these topics may include the human population, global climate change, air and water pollution, waste management, environmental health, species decline, energy resources, disease and medicine, genetic advancements, space exploration, and sustainability. Students will: use technological tools to access a variety of resources, evaluate information and data presented by various resources, analyze and propose solutions to current issues, develop skills for different media presentations, practice communication/debate skills, and demonstrate global and multicultural competence, acceptance, and understanding. Appropriate citizen science projects or community service projects will also be a major focus to supplement and enhance student participation. Selected students may also participate in various field trips, such as the Finger Lakes, Buffalo, or Adirondack Youth Climate Summits. Science Issues & Topics Around the Globe I IS NOT a prerequisite to Science Issues & Topics Around the Globe II.
***** This course WILL NOT be offered during the 2026-2027 school year.***

SOCIAL STUDIES

Department Head: Kristin Luxon

Global History and Geography 9

CRN: 4200

Grade: 9
Prerequisite: Social Studies 8
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course begins the two-year study of the world involving the study of geography, history, government, economics, and world cultures and is taught chronologically, covering the prehistoric world to 1750. Students will also develop competency in using maps, charts, cartoons, and other media in the study of history. The course will include elements of research and application of materials using technology, with students producing researched based products.
This course may fulfill a requirement for the Seal of Civic Readiness.

Pre-AP World History 9

CRN: 4200H

Grade: 9
Prerequisite: Social Studies 8
Recommended:

Length: Full Year
Credit: 1
Examination: Local

This course is the first year of a two-year study of the World. It involves the study of geography, history, government, economics, and world cultures and is taught using a chronological approach, covering the prehistoric world through the 15th century. As an honors-level course that prepares students to go into an Advanced Placement section, students should be prepared for an increased workload and degree of difficulty. Students will be expected to complete a variety of readings and written assignments to prepare them for the challenge of college-level history courses. Additional research assignments will be used to bring about a rich understanding of history.
This course may fulfill a requirement for the Seal of Civic Readiness.

Global History and Geography 10

CRN: 4300

Grade: 10
Prerequisite: Global 9
Recommended: N/A

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

This course is the second year of a chronological study of the world from 1750 to the present that follows the guidelines of the ninth grade program. A Regents exam, which is required for all high school students, is administered at the end of this course.
This course may fulfill a requirement for the Seal of Civic Readiness.

AP Modern World History

CRN: 4301H

Grade: 10
Prerequisite: Global 9
Recommended: Global 9 Honors

Length: Full Year
Credit: 1
Examination: NYS Regents & AP Exams

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.
This course may fulfill a requirement for the Seal of Civic Readiness.

US History & Government 11

CRN: 4400

Grade: 11
Prerequisite: Global 10
Recommended: N/A

Length: Full Year
Credit: 1
Examination: NYS Regents Exam

This course aims to teach students the basic principles and cultural heritage upon which our nation was founded. Special attention is given to thirteen enduring constitutional issues: national power, Federalism, the judiciary, civil liberties, the rights of the accused, equality, the rights of women, rights of racial and ethnic groups, presidential power, separation of powers, avenues of representation, property rights, economic policy, and Constitutional change and flexibility. Course emphasis is placed on the development of the United States since it began to emerge as an industrial nation, primarily from the end of the Civil War to the present day. A Regents exam is administered at the end of this course.
This course may fulfill a requirement for the Seal of Civic Readiness.

SOCIAL STUDIES

AP US History & Government

CRN: 4400H

Grade: 11
Prerequisite: Global 10
Recommended: AP Global

Length: Full Year
Credit: 1
Examination: NYS Regents & AP Exams

This course provides the students with the opportunity to earn college credit (HIS 201, HIS 202). The course covers topics from early European exploration through the end of the Cold War. Particular emphasis is placed upon the diplomatic, economic, cultural, political, and social history of the US. Additional emphasis focuses on the development of communicative skills, namely on oral argumentation through the use of seminars and written expression. These skills are essential, not only to academic success but in the professional environment. The Regents exam is administered at the end of this course.
This course may fulfill a requirement for the Seal of Civic Readiness.

Government

CRN: 4500

Grade: 12
Prerequisite: US History & Government
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course examines the theory and practice of the political process, Civil Rights, public issues, and citizen involvement. Using the 11th grade US History & Government as a springboard, we research current political problems and how to solve them. Attention is paid to the NYS government as well as local governments. It utilizes a multi-faceted approach in getting students to realize their role as citizens in a democracy. Special effort will be made in getting students to accept the responsibility for active involvement in the political process. A mandated project is also part of this course.
This course may fulfill a requirement for the Seal of Civic Readiness.

AP U.S. Government

CRN: 4551AP

Grade: 12
Prerequisite: US History & Government
Recommended: AP US History

Length: Half Year
Credit: .5
Examination: AP Exam

This course is a study of the constitutional foundations of America and the evolution of American government and political parties in America and their functions and activities. Through the use of primary documents, engaging readings, and active involvement in local government, students will explore and evaluate the past and current political culture of American society. A mandated government project is also part of this course and students have the opportunity to take the AP U.S. Government and Politics Exam in May.
This course may fulfill a requirement for the Seal of Civic Readiness.

Economics

CRN: 4550

Grade: 12
Prerequisite: US History & Government
Recommended:

Length: Half Year
Credit: .5
Examination: Local

Economics is a course that examines basic economic concepts, the components of the American economic system, and the relationships between the world's economies, comparative economic systems, and the student's role in the economic system as a consumer, worker, investor, and voting citizen. This course will examine a rational decision-making process, which can be applied to all economic decisions.
This course may fulfill a requirement for the Seal of Civic Readiness and/or Business/Culinary.

AP Macroeconomics

CRN: 4550AP

Grade: 12
Prerequisite: US History & Government
Recommended: AP US History

Length: Half Year
Credit: .5
Examination: AP Exam

The aim of AP Economics is to provide students with a learning experience that is equivalent to that obtained in a typical college-level introduction to economics course. AP Macroeconomics is designed to provide students with a thorough understanding of the principles of economics that apply to the economic system as a whole. Students learn to think like economists: to question, to evaluate marginal costs and marginal benefits, and to explore the many ways in which one action causes secondary actions. Students will have the opportunity to take the AP Macroeconomics exam in May.
This course may fulfill a requirement for the Seal of Civic Readiness and/or Business/Culinary.

SOCIAL STUDIES

Intro to Psychology

CRN: 4600

Grade: 10-12
Prerequisite: 1 credit in Social Studies
Recommended: Completion of Global History

Length: Half Year
Credit: .5
Examination: Local

This course will introduce the student to the scientific study of human behavior. It will provide a broad overview of fundamental psychological concepts, focusing on the development, cognitive processes, personality adjustment, breakdown, and socialization of the human species.
This course may fulfill a requirement for the Seal of Business/Culinary.

Intro to Sociology

CRN: 4700

Grade: 10-12
Prerequisite: 1 credit in Social Studies
Recommended: Completion of Global History

Length: Half Year
Credit: .5
Examination: Local

This course will allow students to discover the meaning behind human behavior and society's impact on the individual. Students will practice using the skills of the sociologist by interpreting primary sources and begin to develop a sociological imagination. Activities will include writing assignments, research projects, and real-life applications, as students are encouraged to see the connection between themselves and society. They will broaden their world perspectives from a social, cross-cultural, or historical point of view.
This course may fulfill a requirement for the Seal of Business/Culinary.

War & Conflict in American History

CRN: 4850

Grade: 10-12
Prerequisite: 1 credit in Social Studies
Recommended: Completion of Global History

Length: Half Year
Credit: .5
Examination: Local

America's involvement in war throughout history has had a major impact on both world events and politics. Our culture is both shaped and reflected by war and conflict. Students in this class will explore America's involvement in warfare through a variety of media including books, novels, videos, and guest speakers. The major topics of this course will be strategies and decisions made by generals, as well as the experience of the soldiers, the home front, propaganda, weapons, and societal effects. Major conflicts of the 20th and 21st centuries will be explored, including World War I, World War II, the Korean Conflict, Vietnam, the Persian Gulf and the Global War on Terror. This course will be taught in a seminar-style format, emphasizing class discussions based on readings and other experiences related to war at the teacher's discretion.

The Holocaust and Humanity

CRN: 4800

Grade: 11-12
Prerequisite: Global 10
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course will allow students to gain insight into the many historical, social, political, and economic factors that cumulatively resulted in one of the watershed events of not only the 20th century but all of human history. Students will gain an understanding of the ramifications of prejudice, racism, and stereotyping that led to genocide. In addition to historical content, the class will make the essential connection between history and the moral choices that we confront in our modern lives. The course of study will include the use and analysis of primary source materials, film, art, literature, and research projects of individual interest.

TECHNOLOGY

Department Head: Kevin Geiger

Design & Drawing for Production (DDP)

CRN: 5630

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Students in this course design, sketch, and draw products while learning technical drafting skills, problem-solving, and artistic design. This course is recommended for any student who is interested in engineering, architecture, design, or technical careers and is a prerequisite for many of the other technology courses at DHS. This course may be taken by any student to meet the fine arts requirement.

Communication Systems I

CRN: 5620

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course is an introduction to the fields of audio, audiovisual, and graphic communication. Emphasis will be on activities, primarily the design and production of the 9-12 Danua Yearbook, and areas surrounding graphic design, digital photography, copy, and page layout. Digital publishing, editing, and journalism will be utilized as a source of communication with the end product resulting in the printing and manufacturing of the yearbook.

Communication Systems II

CRN: 5621

Grade: 10-12
Prerequisite: Graphic Communications I
Recommended: Digital Photography & Accounting

Length: Half Year
Credit: .5
Examination: Local

This course is a continuation and advanced application to the fields of audio, audiovisual, and graphic communication. Emphasis will be on activities, primarily the design and production of the 9-12 Danua Yearbook, and areas surrounding graphic design, digital photography, copy, and page layout. Digital publishing, editing, and journalism will be utilized as a source of communication with the end product resulting in the printing and manufacturing of the yearbook.

Graphic Communications I

CRN: 5640

Grade: 9-12
Prerequisite: Communication Systems I
Recommended: Studio Art & DDP

Length: Half Year
Credit: .5
Examination: Local

This course will expand upon the basic concepts covered in Communication Systems. The coursework will include advanced activities in computer graphics, desktop publishing, digital photography, page layout, copy, video editing, and web design. The Danua Yearbook and senior video will be the end products of this course and Communication Systems.

Graphic Communications II

CRN: 5641

Grade: 10-12
Prerequisite: Communication Systems II
Recommended: Digital Photography & Accounting

Length: Half Year
Credit: .5
Examination: Local

This course will expand on the advanced concepts that were covered in the course Communication Systems 1 and 2. The coursework will include advanced activities in computer graphics, desktop publishing, digital photography, page layout, copy, video editing, and web design. The Danua Yearbook and senior video will be the end products of the combination of both ½ year courses, Communication Systems, and Graphic Communications.

Interior Design

CRN: 5700

Grade: 10-12
Prerequisite: DDP or Studio in Art
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This class is designed to help the student learn to make wise housing choices, the application of art principles and their parallel to global decorating choices, study floor plans, room and furniture arrangement, and selection, study housing styles, as well as, consumer rights and responsibilities. Using project-based learning strategies 10th -12th-grade students will apply the principles of floor plan design, room and space planning, furniture arrangement and selection, as well as ADA compliance. Students will solve real-world design problems by exercising a multitude of tools to produce drawings, compose sample boards of materials and color choices, select and arrange furnishings, and accompany all projects with a cost and analysis of selections.

TECHNOLOGY

CAD I

CRN: 5601

Grade: 10-12
Prerequisite: DDP
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

The primary emphasis of CAD will be on the use of computer systems for drawing and design, problem-solving, and acquiring advanced drafting skills. Students may register to receive GCC credit for Engineering 118.

CAD II Architecture

CRN: 5602

Grade: 10-12
Prerequisite: CAD I
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This course provides the opportunity to learn more about the history and principles of architecture and related drafting practices. The student will learn the basic premises of house design and how architectural drawings and models are produced. The major part of this course will be the design and drawing of a structure. Students may register to receive GCC credit for Engineering 103.

CAD III – 3D

CRN: 5603

Grade: 10-12
Prerequisite: CAD I
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

CAD III is a hands-on course that uses Autodesk Inventor to promote Science, Technology, Engineering, and Math (STEM) education programs while integrating 3D printing technology. Using hands-on and project-based learning strategies, students will effectively excel in the areas of STEM and learn to integrate industry applications into their learning experiences. Our core curriculum takes students through the entire design process (design, prototyping, and manufacturing). Students will exercise a variety of drafting and design software tools to execute both 2D and 3D drawings and illustrations. Students will produce drawings of their own design as well as assigned exercises. CAD III coursework will provide students with opportunities to solve real-world design problems, engage with industry-standard technology, and transform concepts into reality by using a 3D printer.

Material Processing I

CRN: 5650

Grade: 10-12
Prerequisite: N/A
Recommended: DDP

Length: Half Year
Credit: .5
Examination: Local

This is a hands-on class that will introduce students to woodworking, tools, and equipment used to process and handle wood. Safety is first and foremost and much of the first marking period is devoted to teaching safe tool and equipment operation. Students will be taught what quality and craftsmanship look like so that they can develop a sense of pride, accomplishment, and respect for all people and tools. Evaluation is based on safe lab procedures, work habits, performance, and project completion.

Material Processing II

CRN: 5660

Grade: 10-12
Prerequisite: Material Processing I
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This is a hands-on class that focuses on the handling of wood through applying woodworking techniques and the use of tools and equipment. Students will continue to grow in learning about what quality and craftsmanship look like so that they can develop a sense of pride, accomplishment, and respect for all people and tools. Safety is first and foremost all of the time, and most of the class time will be spent on student projects of choice. Computer technology such as a laser engraver will be introduced to enhance student projects. Evaluation is based on safe lab procedures, work habits, performance, and project completion.

Computer Integrated Materials Processing

CRN: 5665

Grade: 11-12
Prerequisite: Material Processing I
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This is a hands-on class that focuses on introducing computer integrated design and manufacturing principles along with the use of woodworking tools and equipment. Students will develop problem-solving skills and apply their knowledge of new equipment to design and create solutions to various challenges. Students will continue to learn and gain more experience in the use of tools and equipment while building projects. Safety is first and foremost all of the time. Most of the class time will be spent on student project work. Evaluation is based on safe lab procedures, work habits, performance, and project completion.

TECHNOLOGY

Computer Integrated Manufacturing

CRN: 5666

Grade: 11-12
Prerequisite: Computer Integrated Materials Processing
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

This is a hands-on class that focuses on computer integrated design and manufacturing principles along with the use of woodworking tools and equipment. Students will use and apply their skills and knowledge of new equipment to design and create solutions to various challenges and projects. Students will continue to learn and gain more experience in the use of tools and equipment while building projects. Safety is first and foremost all of the time. Most of the class time will be spent on student projects and manufacturing production work. Evaluation is based on safe lab procedures, work habits, performance, and project completion.

MST I

CRN: 5670

Grade: 11-12
Prerequisite: DDP
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

MST is a hands-on course that promotes Science, Technology, Engineering, and Math (STEM) education programs while integrating a hands-on project-based curriculum into the 11th -12th-grade classroom. Our core curriculum utilizes several electricity modules, CAD software, a 3D printer, a laser engraver, and a CNC router. Master projects approximately five weeks in length will take students through the entire design process (design, prototyping, and testing). Master projects may include but are not limited to trebuchets, CO2 powered dragsters, bridges, airplanes, and cardboard boats. Our MST coursework will provide students with opportunities to solve real-world design problems, engage with industry-standard technology, and transform concepts into reality.

WORLD LANGUAGES

Department Head: Kari Gray

French I
Spanish I

CRN: 8020
CRN: 8120

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

Regents-level I in French or Spanish is required of all students pursuing a Regents diploma who have not earned Checkpoint A credit in 8th-grade. This class focuses on basic verb structures and theme vocabulary to assist students in the skills of listening, reading, speaking, and writing in the target language. Topics such as food, clothing, sports, weather, housing, and holidays are presented in conjunction with grammar topics. French/Spanish speaking countries are studied briefly with an emphasis on geography and culture throughout.

French II
Spanish II

CRN: 8030
CRN: 8130

Grade: 9-12
Prerequisite: French I/Spanish I
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This course expands the work in Level I in the four areas of listening, reading, speaking, and writing. Verb tenses are studied in greater detail, especially the past tense. Reading practice becomes more focused on the target language and more culturally relevant materials such as music and movies are introduced. Students are encouraged to work in small peer groups to develop their conversational skills.

French III
Spanish III

CRN: 8040
CRN: 8140

Grade: 10-12
Prerequisite: French II/Spanish II
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Checkpoint B

This course culminates with the Checkpoint B exam to assess students' progress in the four areas of listening, reading, speaking, and writing. Students continue to improve their vocabulary knowledge. Great emphasis is placed on verb tense, comprehension, and enjoyment of the target language. Conversation in small groups is encouraged and guided. Upon completion of Level III, the student is ready to speak and understand a full class period in French/Spanish.

French IV Honors
Spanish IV Honors

CRN: 8042
CRN: 8142

Grade: 11-12
Prerequisite: French III/Spanish III
Recommended: N/A

Length: Full Year
Credit: 1
Examination: Local

This is an advanced French/Spanish course that focuses on literature, writing, and grammar. The teacher and students speak primarily in the target language; English is seldom used. Texts written by French/Spanish authors are read in class. Music and movies are an integral part of the course. The final assessment is a communication-based portfolio demonstrating proficiency in the target language. All students preparing for college are encouraged to complete this course.

AP French Language and Culture
AP Spanish Language and Culture

CRN: 8060AP
CRN: 8160AP

Grade: 11- 12
Prerequisite: French IV/Spanish IV
Recommended: N/A

Length: Full Year
Credit: 1
Examination: AP Exam

This course culminates with the Language and Culture AP exam. It takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students will learn language structures in context and use them to convey meaning. In order to best facilitate the study of language and culture, the course is taught in the target language. The course engages students in an exploration of culture in both contemporary and historical contexts in order to develop students' awareness and appreciation of the products, practices, and perspectives of the target culture.

WORLD LANGUAGES

Cooking Around the World

CRN: 6020

Grade: 9-12
Prerequisite: N/A
Recommended: N/A

Length: Half Year
Credit: .5
Examination: Local

Students in this course will gain an understanding of how meals are prepared and eaten around the world. They will also spend time researching local food production in different regions of the world, geography, and climate and its impacts on food systems, and how food is grown, processed, and shipped. The culminating project for this semester's course will be a multimedia portfolio about food in a student's chosen country.

World Issues & Global Citizenship

CRN: 8090

Grade Level: 10-12
Prerequisite: Global 9
Recommended: N/A

Length: Half year
Credits: .5
Examination: Local

In this course, students work to become global citizens; this includes developing an understanding of different parts of the global community in social, political, economic, and environmental contexts and investigation of global interdependence in these areas. Students develop an understanding of the critical literacy of media sources and interview guest speakers from different backgrounds on how they make a difference in their own communities. Students are prepared for college and career by honing digital citizenship, research and writing skills, and public speaking and debate skills.

VOCATIONAL EDUCATION

(BOCES) – All courses are for a full year

Animal Science

The Animal Science program is for students who have a desire to work with large or small animals. The program teaches both basic and advanced skills in such areas as health and disease, nutrition, reproduction, anatomy, physiology, parasitology, handling, restraint, and management. Specialized skills in such areas as grooming, marketing, and leadership are also emphasized. Animal handling, management, and care are practiced with a variety of species. Course work is geared to the interests and career direction of the individual student. Employment possibilities for veterinary technicians and other animal care workers over the next ten years are projected to be excellent.

Auto Trades: Collision, Custom, and Restoration

Students learn through the hands-on repair of damaged vehicles and special projects the complete process of auto body repair from paint and preparation to clean up. Instruction is provided in metal straightening, use of epoxies and filler, masking, and application of modern finishes. Students develop skills in the use of gas, and MIG welding and also learn the latest airbrushing techniques. Analyzing vehicle damage, selecting proper tools and methods to correct the damage, and estimating the cost of repairs are important aspects of this course.

Auto Trades: Automotive Technology

Students in the general Auto Tech course acquire the skills necessary to diagnose, maintain, and repair all systems of automobiles and light trucks while working with modern diagnostic equipment. With the new environmental emission laws, employment prospects are expected to remain excellent in this field.

Both the Mt. Morris and Batavia programs are part of the Ford Future Techs program. Rochester and Buffalo-area automotive dealers have supplied these programs with current vehicles and accompanying diagnostic technologies that are utilized in the classroom.

Building Trades (Carpentry, Cabinet Making, Electrical/ Plumbing/Heating)

This program provides students with a background applicable to both residential and commercial construction. Students learn technical skills in specialized areas of carpentry and cabinet making, residential wiring, plumbing, and heating. Training occurs in machine operations, test equipment, hand tools, portable and stationary power tools, pneumatic tools, rigging, and OSHA Safety requirements.

Students build a house on-site every year. This provides hands-on experience in residential framing, door and window hanging, electrical wiring, heating systems, plumbing, siding, roofing, drywall installation, and interior/exterior trim. Blueprint reading, material codes, and specifications are extensively taught. Cooperative work experiences and other work experience opportunities are also available. In addition, students will have the opportunity to produce group and individual woodworking projects or to work in more advanced areas of the electrical or plumbing and heating trades.

Computer Information Systems

This program provides hands-on experience with the newest technology. Students work on a PC network and use the Internet as a research tool to design web pages and communicate with the industry. Students gain hands-on experience in Systems Operations and Computer Programming as they work with current business applications. Students gain practical knowledge as they install software and hardware and use multimedia technology on their own network system. Internships with school district technology coordinators and local businesses in web hosting and computer system design are available.

This program is only offered at the Mount Morris Career and Technical Education Center.

Conservation and Heavy Equipment

Students learn how to safely operate and maintain outdoor equipment such as backhoes, bulldozers, dump trucks, chain saws, wood chippers, forestry tools, and tools of measurement. Learning activities include tree identification and maintenance, woodlot management, social excavation and grading, pond and drainage projects, and many other skills needed for environmental and outdoor careers. Students will develop skills in landscaping, landscape design, horticulture, hardscaping, and the design and construction of outdoor structures such as decks and sheds. Students apply excavation landscaping skills at the site of a house under construction by students in Building Trades. Emphasis is on safety and responsibility. Career opportunities include highway departments, excavating and construction, building and grounds maintenance, logging and sawmill operation, trucking, and landscaping-related fields.

Cosmetology

Students learn the latest techniques in hair, nail, and skincare in our modern, fully equipped classroom salon. Advanced students apply their skills in our salon environment. Students who complete 1,000 hours and pass the course will be eligible to take the New York State Licensing exam. A cosmetology license allows you to practice all aspects of hair, skin, and nail care.

VOCATIONAL EDUCATION

Criminal Justice

Students explore opportunities in the field of criminal justice while learning about our legal system. Course work includes an in-depth look at police work, the courts, and the field of corrections. Students also learn about federal, state, and local laws and their effects on the community.

Guest lecturers from various phases of the criminal justice field, mock trials, and field trips give students a first-hand view of our criminal justice system at work. Career opportunities include police work, probation, corrections, courts, and security. A simulated crime scene investigation culminates the school year.

Culinary Arts

Students prepare food in a large commercial kitchen and manage a cafe and dining room. Instruction includes a Serve Safe safety and sanitation course, equipment and utensil usage, food production, customer relations, menu development, and supervisory skills. Students learn how to prepare and present a wide variety of foods from appetizers to desserts including international foods. Students provide a dining room and banquet service throughout the year to faculty, staff, principals, counselors, migrant workers, and other students.

Semi-skilled areas of employment upon graduation include cook, prep-cook, dietetic aide, and baking assistant. Employment opportunities with a two-year degree include chef, pastry chef, and dining room manager, catering manager, purchasing agent, personal chef, and food service supervisor. Opportunities with a four-year degree include executive chef, dietitian, restaurant manager, and executive pastry chef.

Diesel Mechanics

Diesel-powered vehicles are found in construction roles, trains, marine applications and are commonly used in the military. In addition, fixed diesel engines are widely used as a power source for generators, pumps, and other applications requiring a dependable and economical source of power. The Diesel Mechanics Program is a two-year training sequence aimed at students who have a desire to work on trucks, heavy machinery, and corporate fleets.

This program is offered at both the Mount Morris and Batavia Career and Technical Education Centers.

Emergency Medical Services (EMS)

The Emergency Medical Services (EMS) Program prepares students to perform life saving skills. Students will be able to graduate with their well-deserved NYS EMT (Emergency Medical Technician) Certification. Emergency skills will be taught in the classroom and students will gain hands-on experience performing skills during their clinical time at Noyes hospital and ambulance ride time. Career planning strategies are developed for all students enrolled in the program. Upon successful completion of this course, students will be certified and ready to work on an ambulance. It is also the first step if they plan on continuing into the medical field as a paramedic, firefighter, or even pre-med.

Health Dimensions

Health Dimensions students engage in a challenging hands-on approach in the health field. Participants will experience and provide the "human side" of client care at local health care facilities.

All Health Dimensions students spend time in local facilities working collaboratively with staff members, residents, and patients. Students may choose to shadow medical professionals from many disciplines. Health Dimensions students may explore the following: Anatomy & Physiology, Gerontology, Phlebotomy, and Electrocardiogram Technology. Responding to Emergencies is a first aid response course taught in the Health Dimensions program.

Students, who meet the requirements, may receive certification in First Aid, Adult CPR, Child, and Infant CPR, AED, and Child Abuse Reporting. Fees, paid by the participant, may be required.

Students may choose to take the New York State Nurse Assisting certification exam after completing the current requirements listed under the New York State Education Department and New York State Department of Health for secondary education students enrolled in a Nurse Assisting program. Students prepare for this exam by meeting the minimum number of required hours and minimum proficiency as required by the Health Dimensions instructor. Students are required to pay a fee to take the certification exam.

VOCATIONAL EDUCATION

Human Services

This program prepares students for a wide range of career opportunities in the diverse field of human services. Through practical work experiences, students develop high-level skills needed to interact with people of all ages in a variety of environments such as classrooms, childcare centers, and human service agencies. Over the course of two years, students study human growth and development, from birth to adulthood.

Human Services students gain experience planning and preparing lessons for preschool children, including writing goals and learning objectives. Students research specific issues facing individuals and families, as well as locating and creating a list of Community Resource Agencies that serve the respective population. Human Services students examine aging and how it impacts a person's development, including lifestyle changes, activities, and various levels of care. Students in Human Services experience working with the aging population in local assisted-living facilities. Human Services students also have the opportunity to work with clients from either Genesee ARC or the ARC of Livingston-Wyoming.

Students learn valuable job skills, such as writing cover letters and resumes, creating a portfolio, and interview experience. Eligible students have the opportunity to have two work-based learning experiences in the community, at various local agencies and/or schools.

Students have the opportunity to become certified in First Aid and Community CPR.

This program is only offered at the Mount Morris campus.

Metal Trades

Precision Machining and Welding are two courses that make up the Metal Trades Program. Students will be exposed to both areas, gaining skills necessary to be successful in today's industry. Second-year students will choose an area of concentration - either Welding or Precision Machining.

Precision Machining: Students prepare for entry-level positions such as apprentice machinists, tool and diemakers, mold makers, model makers, or machine builders. People employed in one of these occupations often make custom or one-of-a-kind items. Students learn how to set up and operate equipment commonly used in modern machine shops. Hands-on instruction is provided in the use of lathes, milling machines, surface and cylindrical grinders, drill presses, computer numerically controlled (CNC) lathes and milling machines, and the electrical discharge machine (EDM). Units of study include safety, computer-aided drafting, and design (CAD), welding, precision measurements, precision layout, and heat-treating.

Welding: Students gain knowledge and skills in a variety of metal joining and cutting processes. Skills are developed in Shielded Metal Arc (SMAW), Gas Tungsten Arc (TIG), Gas Metal Arc (MIG) welding, Plasma Arc (PAC), and Oxy-Fuel (OFC) cutting. Out of position, structural, pipe welding, and print reading are also covered. Skills are developed through hands-on projects and work for customers. Students may receive entry-level welder certification from the American Welding Society upon successful completion of the written exam and welder performance samples.

During this course, students earn their 10-hour OSHA certification and OSHA forklift license. Students who are eligible may apply for their "Class B" license.

College Tech Prep Health Careers Academy

The College Tech Prep Health Careers Academy is a course of study designed to provide qualified students with a broad knowledge of the healthcare industry. Students explore multidisciplinary health care professions and current biotechnology through on-site observations at local hospitals and other health care facilities. Students applying to the academy should have plans to attend college or technical school in a healthcare field, be enrolled or have successfully completed chemistry, and possess at least a B average at their home school. This program offers Genesee Community College credit and serves as a foundation for pursuing careers as an audiologist, biomedical engineer, dentist, dietician, hematologist, lab pathologist, massage therapist, nuclear imaging technician, nurse, optometrist, physical or occupational therapist, physician, pharmacist, radiologist and more.

Sports Science Careers Academy

A new Sports Science Academy, available to high school students, was launched in September 2018. The program is held at the Genesee Community College (GCC) Dansville campus. Course curriculum includes sports management, health sciences related to coaching, weight and athletic training, body conditioning as well as Red Cross Certification in first aid and CPR.

This is a joint venture with Genesee Community College (GCC) through the ACE Program. The ACE Program is a partnership between Genesee Community College and Western New York high schools to provide college courses to secondary students during the school day.

Students are eligible to earn 14 college credit hours through GCC at a third of the regular GCC tuition.

This is a half-day program. Students will attend their home school district for core academics and will then come to the Sports Science Academy at the GCC Campus for the remainder of their school day. Transportation will be provided by the students' home districts.

Students who are interested in taking the course must sign up this year with their high school guidance counselors.

VOCATIONAL EDUCATION

Early College High School

The Early College High School (formerly known as the WNY Tech Academy) serves 13 regional school districts through a curriculum that places a strong emphasis on hands-on, project-based learning to prepare students for high-skill, financially stable careers in growth industries. Students attending the Early College High School will complete all necessary coursework for a high school diploma as well as earn an Associate of Applied Science degree through Genesee Community College at no cost.

*** For additional information, please contact your counselor to schedule an appointment or visit the Early College High School website at https://www.gvboces.org/page/early-college-high-school.**