

Course Catalog

2024-2025



Hudson Senior High School

Guidance Department

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Promotion Requirements

Grade placement is determined by the number of credits completed:

- **To enter grade 9:** Failure of 2 or more classes may result in retention of current grade.
- **To enter grade 10:** 5 ½ credits
- **To enter grade 11:** 11 credits
- **To enter grade 12:** 16 credits and the ability to graduate in June

Class Rank-GPA-Weight

All classes that have a numerical grade with a potential of earning high school credit are calculated into a student's grade point average (GPA). Grades are calculated by the credits associated with the course. For example, a Physical Education grade of 80, and course credit is 0.25 = value of 20; whereas English has a credit of 1.00 and a grade of 95 = value of 95 and Health has a credit of 0.50 and a student's grade is 80 will be counted as a value of 40. These values are divided by the number of credit hours attempted to calculate the overall GPA. Students are ranked among their grade levels based on their GPA.

Summer school courses **will not** be included in calculation for Class Rank-GPA

- Course weight (**only for courses taught at the Hudson Senior High School**):

AP courses will be given a weight of 8 additional points added to each quarter grade. In order to maintain grade weighting for all quarters of AP classes, students must sit for the AP Exam, unless no exam is offered.

College level (College-in-the High School) courses will be given a weight of 8 additional points added to each quarter grade. Semester classes will be counted as half credit multiplied by the weight. In the event of a tie, both students are listed with the same rank. The next number will be skipped and the following number will be given to the next student in line. Example: two students rank 14th place. The 15th place is skipped and the next student is ranked 16th place.

- Students are ranked in the Fall of their Senior year. Valedictorian and Salutatorian are announced after the fall semester senior year ranking.

Valedictorian will be the student who earned the highest weighted cumulative GPA after seven full semesters (9th, 10th, 11th grade, plus fall semester of 12th grade), has been a student at the Hudson Senior High School for more than two years and has earned credit in at least 6 AP/CHS classes taught at the Hudson Senior High School.

Salutatorian will be the student who earned the second highest weighted cumulative GPA after seven full semesters (9th, 10th, 11th grade, plus fall semester of 12th grade), has been

a student at the Hudson Senior High School for more than two years and has earned credit in at least 6 AP/CHS classes taught at the Hudson Senior High School.

- Special Designations

Summa Cum Laude – earned at least a 95 weighted cumulative GPA and earned credit in at least 6 AP/CHS classes (and have taken all applicable AP exams)

Magna Cum Laude – earned a 90 to 94.99 weighted cumulative GPA and earned credit in at least 4 AP/CHS classes (and have taken all applicable AP exams)

Cum Laude - earned an 85 to 89.99 weighted cumulative GPA and earned credit in at least 2 AP/CHS classes (and have taken all applicable AP exams)

Note: students who earned the designated GPA but attain a lower number of required AP/CHS classes, will be eligible for the Special Designation connected to the number of classes they attained even though their GPA is higher than indicated above.

- Counselors submit transcripts to colleges using the final ranking and GPA. Updated transcripts are sent after the fall semester of the student’s senior year. Final transcripts are sent to the student’s final college of choice upon graduation.

Parents and students are encouraged to use the Parent/Student Portal to view grades and scores.

*This is a full list of courses approved and offered at the Hudson Senior High School. Courses will only run based upon student interest and scheduling availability.

English Language Arts

1111- ENGLISH 9

Credit: 1

This course is implemented using Next Generation Learning Standards’ instruction. Students will do work in modules with thematic links. Some of the literature studied includes: The Trial, Worlds Afire, Monster, The Tragedy of Romeo & Juliet, poetry and short stories. Students will do independent reading outside of class. They will also research projects in the library, using MLA format. Group work and oral presentations are also expected.

1181- ENGLISH 9 HONORS

Credit: 1

This course is similar to English 9 but has higher expectations and a more difficult curriculum. Students will be taught in modules using the Next Generation Learning Standards’ instruction. Some of the literature studied includes: The Outsiders, Flowers for Algernon, The Old Man & The Sea, Fried Green Tomatoes at The Whistle Stop Café, Speak, Shades of Simon Gray, Incantation, The Tragedy of Romeo & Juliet, The Wave, short stories and poetry. They will do research projects in the library, using MLA format. Group work and oral presentations are also expected.

1211- ENGLISH 10

Credit: 1

This Next Generation Learning Standards' instruction aligned course is designed to introduce students to the world of literature and is closely aligned to Global Studies 10. The course is broken into four modules, each with a specific focus. Students will read fiction, non-fiction, informational texts, and poetry. Students will learn how to write informative, argumentative, and narrative essays. Literature may include: Private Peaceful, Animal Farm, Lord of the Flies, Chanda's Secrets, and Othello.

1241- ENGLISH 10 HONORS

Credit: 1

This course is a continuation of the program begun in English 9 Honors. Course of study for English 10 Honors includes four modules based on the Next Generation Learning Standards' instruction of Reading, Writing, Speaking & Listening and Language. Literature includes: *Oedipus & Antigone*, *Animal Farm*, *Lord of the Flies*, *Night* & *Othello*.

1311- ENGLISH 11

Credit: 1

This course includes four modules based on the Next Generation Learning Standards' instruction: Reading, Writing, Speaking & Listening, and Language. The primary focus is American Literature that includes: The Crucible, The Great Gatsby, Hamlet, Of Mice & Men, and To Kill a Mockingbird. A Common Core Regents exam will be taken at the end of the course.

1381- ENGLISH 11 HONORS

Credit: 1

The focus of this class is an extensive study of American Literature on an advanced level. Students will read fiction, non-fiction, informational texts, drama and poetry. Students will enhance their writing skills by writing informative, narrative, research and argumentative essays. Preparation for the NYS Language Arts Regents will be incorporated into this course. Literature includes: The Crucible, The Great Gatsby, Hamlet, Of Mice and Men, and To Kill a Mockingbird.

1391- CONTEMPORARY LITERATURE (Grade 12 only)

Credit: ½

This course explores the literature of the twentieth century to the present. Students will read fiction, non-fiction, information texts, drama, and poetry to analyze contemporary issues. Students will develop an awareness to the world around them by investigating recurrent themes in literature.

1392- WOMEN'S LITERATURE (Grade 12 only)

Credit: ½

This course looks closely at literature by and/or about women as it characterizes their identity. Students will read fiction, non-fiction, informational texts, drama, and poetry to trace the development of women's writings. Students will develop an appreciation and awareness of the excellence in women's writing.

1413- FILM STUDIES (Grade 12 only)

Credit: ½

Prerequisite: student must have a passing score on the ELA Regents Exam

Film studies will familiarize students with the particulars of film history as well as to provide them with a chance to analyze film as a visual art form. Class time will be divided between to film viewing and discussion/writing. The course will begin with the history of film from its beginning to the films of today. Students will view and analyze important films from the various eras of film history. Three major eras of focus will be *the Early Period*, *The Sound Era or Golden Age of Hollywood*, and *the "New Hollywood" or Post-Classical Cinema*. The course will primarily use the chosen films to achieve the course objectives. Instruction will be supplemented through scholarly articles that explore the nuances of each point in time and how the films were affected. The second part of the course will focus on the films of one filmmaker in detail. Through individual study, class discussion and close viewing of three films, students will explore/analyze the film making process.

1414- SCIENCE FICTION & FANTASY (Grade 12 only)

Credit: ½

Prerequisite: student must have a passing score on the ELA Regents Exam

This course will survey the literary history of Science Fiction/Fantasy genre and will explore their representative themes, rhetoric and methods of storytelling in novels, short stories and film. Through the course, students will utilize analytical skills and reading strategies to evaluate our current world through the optimistic outcomes and horrifying predictions of many of the important authors of the genre. Classes will revolve around one or two important themes of the genre explored in depth. Reading will be the starting point, using film and an examination of other media to promote discussion and understanding. A close literary study of the literature of one genre is a rare opportunity for high school students. It will help to prepare our graduates for the more focused college classroom. Interacting with Science Fiction/Fantasy literature in the high school setting will also give students who are already fans of the genre the chance to expand their interest and understanding.

NOTE: for EN101 and EN102, students will need to be admitted to Columbia Greene Community College as Early Admissions candidates and will have to pay tuition to the college unless they meet the eligibility requirements for the USDA National School Lunch Program (which is determined by an Income Eligibility Form that will given to the student to be filled out).

1441- EN 101-COMPOSITION (Columbia Greene Community College)

Credit: ½

College Credit: 3

Admission into 101/102 is based on an 80 average in the Honors program. Those students may be considered who have an 85 > in Regents English classes based on motivation, writing ability, teacher recommendation, and enrollment. This course is an introductory level course emphasizing the process and patterns of college-level expository prose. Since writing is a process made up of stages, extensive practice in composition is given in order to develop the craft of writing. Instruction will focus on teaching the skills of writing, emphasizing organization, coherence, unity and clarity of expression. Students will be expected to produce clear, logical papers using proper grammar and strong writing techniques.

1451- EN 102-COMPOSITION & LITERATURE (Columbia Greene Community College)

Credit: ½

College Credit: 3

Prerequisite: EN 101 Composition. Admission into 101/102 is based on an 80 average in the enriched program. Those students who have an 85 > average in Regents English classes based on motivation, writing ability, teacher recommendation, and enrollment. This course continues the reading and writing of EN 101. Readings range from short stories and poetry to plays and/or novels. Writings include both formal and informal criticism or analysis of the texts.

ENGLISH ELECTIVES**1452- INTRODUCTION TO CREATIVE WRITING**

Credit: ½

Grades 11 and 12

This course will focus on writing creative fiction and nonfiction. Students will read mentor texts and model their writing on specific characteristics discussed in the works. This course will be workshop-based, so students will be expected to share and critique their own and one another's works.

1453- MULTICULTURAL LITERATURE

Credit: ½

Grades 11 and 12

This course will explore literature by groups historically underrepresented or oppressed groups for reasons such as gender, race, ethnicity, sexuality, religion, class, language and disability. The course will investigate the socio-cultural experiences of different groups as reflected in literature. Instructional methods will include, but are not limited to, discussions, readings, projects, and written assessments.

Mathematics

4131- ALGEBRA

Credit: 1

Prerequisite: students must have passed Math 8, received a recommendation from the teacher, and Scored a mid-2 or higher on the 8th grade math state assessment or successful completion of Foundations of Algebra

This course is associated with the NYS Next Generation Mathematic Learning Standards for Algebra I and will focus on four *conceptual categories*: Number & Quantity, Algebra, Functions, and Statistics & Probability. Students will analyze relationships between quantities and reason with equations and graphs. They will explore linear, quadratic, and exponential functions as well as deepen their understanding of statistics and probability concepts. Finally, students will synthesize what they learn by extensively modeling the functions that they study. The course will culminate in the students taking the Algebra Next Gen Regents Exam.

4137- FOUNDATIONS OF ALGEBRA

Credit: 1

The main focus of this course is basic Algebra. The course will cover the following topics: number systems, operations and properties, proportions, expressions, first and second-degree equations, literal equations, factoring, word problems and graphing calculator use. There will be a department exam at the end of the year. This course is designed for students who are not ready for the rigors of CC Algebra. **Students who score at level one or the lower half of level 2 on the Grade 8 Math Assessment and/or scored less than 74% in Math 8 will be recommended for this course. Students who successfully complete this course will take Algebra I the following year.**

4220- GEOMETRY

Credit: 1

Prerequisite: student must have passed the Algebra course

This course is aligned with the NYS Next Generation mathematic learning standards for Geometry. It is comprised of 5 major topics. The first is Congruence, Proof, and Construction which develops the Euclidean foundations of geometry. Similarity, Right Triangles, and Trigonometry is the second topic and it includes similar triangles, proportions and the introduction of the trigonometric ratios. The third topic is a study of 3-dimensional geometry and includes measures such as area, surface area, and volume of solid figures. Topic four investigates Coordinate Geometry and includes distance, midpoint, slope, lines, area and other Cartesian plane concepts. The final topic covers circles, both on the Cartesian plane and in a Euclidean plane without coordinates. The course will culminate in the students taking the Geometry Next Gen Regents Exam.

4222- NON-REGENTS GEOMETRY

Credit: 1

Prerequisite: student must have passed the Algebra course

This course will serve as an introduction into high school Geometry. Topics will include: congruence, circles, Similarity, right triangles and trigonometry, expressing geometric properties with equations, and geometric measurement and dimension.

4331- ALGEBRA 2/TRIGONOMETRY

Credit: 1

Prerequisite: students must have passed the Algebra and Geometry courses

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of Functions to include polynomial, rational, radical, and trigonometric functions. Students work closely with the expressions that defines the functions and continues to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. It is **recommended** that students achieve over a 70 on the Algebra Regents Exam and over a 65 on the Geometry Regents Exam. This course will culminate in the students taking the Algebra 2/Trigonometry Regents Exam.

4351- APPLIED MATHEMATICS

Credit: 1

Prerequisite: Students must have 2 math credits and taken the Algebra Regents

This course for Juniors or Seniors that will satisfy their 3rd year of mathematics credit required for graduation. This course is project based and a student-centered math class which focuses on modules designed to reflect problems from everyday life. Core modules will include Statistics, Probability, Financial Issues (banking, mortgages, insurance, etc.), Geometry, and Mathematics across the curriculum. Students will investigate the interdisciplinary aspect of the role of mathematics in sports, art, architecture, music, and nature.

NOTE: for MA111 and MA122, students will need to be admitted to Columbia Greene Community College as Early Admissions candidates and will have to pay tuition to the college unless they meet the eligibility requirements for the USDA National School Lunch Program (which is determined by an Income Eligibility Form that will be given to the student to be filled out).

4402- MA 111 - PRE-CALCULUS (Columbia Greene Community College)

Credit: 1

College credit: 4

Prerequisite: students must have passed the Algebra, Geometry, and Algebra 2/Trigonometry courses with an overall 80% average and have taken all 3 regents exams. Acceptance for early enrollment by Columbia-Greene Community College is also required.

This is a reform math course based on the Harvard Consortium method. It is a study of functions that model real world behavior. Topics include linear, exponential, logarithmic, trigonometric, polynomial, and rational functions. The course will take a 4-pronged approach to all problems: symbolic, numeric, graphic and verbal. Students will need to read and write in the language of mathematics. A graphing calculator (TI83/84+) is required.

4401- MA 122 - CALCULUS (Columbia Greene Community College)

Credit: 1

College credit: 4

Prerequisite: Pre-Calculus and acceptance by Columbia Greene Community College after Recommendations from teacher and an overall average of 85% or better in math courses

This course is a reformed math class; topics will be presented geometrically, numerically, and algebraically. Formal definitions and procedures will evolve from investigating practical problems. Topics include a review of functions, the derivative, the definite integral, and the Fundamental Theorem. This course is for math, science, and engineering majors who have strong algebra skills and have completed a pre-calculus course. Students will study limits, differentiation and integration with applications stressed throughout. A (TI83/84+) graphing calculator is required.

NOTE: MATH111 and MATH125 are through SUNY Cobleskill. Cost for these courses are based on whether or not the student meets the eligibility requirements for the USDA National School Lunch Program, which is determined by an Income Eligibility Form that will be given to the student and payment will be as follows: Free=Free, Reduced=\$25/per credit, Full price=\$50/per credit.

4406- MATH111 - COLLEGE ALGEBRA (SUNY Cobleskill)

Credit: 1

College Credit: 3

Prerequisite: 2 credits of high school math, which must include an Algebra and Geometry credit, with an overall average greater than or equal to 80 or 3 credits of high school math including Algebra, Geometry, and Algebra 2/Trigonometry.

This is a course in Algebra with a strong emphasis on problem-solving and applications. Topics include: introduction to functions and their graphs; linear and quadratic functions; solution of a variety of types of equations and inequalities using algebraic, numeric and graphical techniques; systems of equations, operations with polynomials; rational, radical, exponential and logarithmic expressions; and exponential functions. Use of a graphing calculator will be an integral part of this course

4407- MATH125 - COLLEGE STATISTICS (SUNY Cobleskill)

Credit: 1

College Credit: 3

Prerequisite: open to Juniors and Seniors who already have 3 high school math credits and have passed Intermediate Algebra, College Algebra, or Algebra 2/Trigonometry with a minimum grade of 70.

This is a basic course in general statistics with applications in the fields of business and the natural, behavioral and social sciences. Elementary probability theory and descriptive statistics are introduced, but the emphasis is on inferential statistics including significance tests, confidence intervals, and linear regression and correlation.



Science

All Regents level science courses include approximately 90 laboratory periods in addition to the class. Each student must complete a minimum of 1200 minutes of laboratory work, accompanied by satisfactory and acceptable written reports prior to admission to the Regents exam.

5100- EARTH SCIENCE NON-REGENTS

Credit: 1

This is a non-regents level course that will investigate the processes of change on Earth. Topics include Mapping Earth's surface, minerals, the rock cycle, the water cycle, glacial geology, plate tectonics, Earth's geologic history, weather, climate, Earth's motion in space, the formation of the solar system, and deep space studies. Environmental issues will be discussed throughout the year. Even though labs will be conducted throughout the year, there is not an additional lab period with this course. This course is intended for those students who have already passed the Living Environment Regents and not planning on getting an Advanced Regents Diploma. Students will be placed in this course based on teacher/guidance recommendation.

5101- EARTH SCIENCE (w/lab)

Credit: 1

This Regents course will investigate the processes of change on Earth. Topics include mapping Earth's surface, minerals, the rock cycle, the water cycle, glacial geology, plate tectonics, Earth's geologic history, weather, climate, Earth's motion in space, the formation of the solar system, and deep space studies. Environmental issues will be discussed throughout the year. A prerequisite for admission to the Regents exam in Earth Science, which is the final exam in this course, is 1200 minutes of laboratory work with satisfactory and acceptable written reports.

5201- LIVING ENVIRONMENT (w/lab)

Credit: 1

This Regents course focuses on understanding important relationships, processes, mechanisms, and the Application of biological concepts. This course is designed to prepare the student to explain both accurately and with appropriate depth the most important ideas about our living environment. Major topics include similarities and differences among living organisms, homeostasis in organisms, genetic continuity, reproduction and development, evolution, and ecology. Critical to understanding science concepts are the use of science inquiry to develop explanations of natural phenomena. A prerequisite for admission to the Regents exam in Living Environment, which will represent the final exam, is 1200 minutes of laboratory work accompanied by satisfactory and acceptable written reports. This is to include the core New York State mandated labs.

5202- LIVING ENVIRONMENT HONORS (w/lab)

Credit: 1

This course enables Hudson High to provide intensive academic challenges to the students in 9th grade. The curriculum will emphasize critical thinking, factual knowledge and independent research as well as preparing the student for the Living Environment Regents and the SAT II test. Students should expect to do well beyond the 1200 minutes of required laboratory work necessary to be admitted to the NYS Living Environment Regents. Students should also be prepared to read independently as well as **complete summer reading assignments. If the academic standards are not upheld, the student may be reassigned to the Regents level course.**

5301- MARINE SCIENCE

Credit: 1

Prerequisite: Successful completion of a physical setting course and Living Environment

This course focuses on the interrelationships that exist between aquatic environments and the organisms that reside in them. This course will examine three main aquatic environments: freshwater, brackish, and marine. Major topics discussed in this course include limnology, oceanography, diversity, ecology, and conservation. **Students taking this course should be aware that this is an upper-level science designed to challenge you and further your knowledge of science.**

5311- CHEMISTRY (w/lab)

Credit: 1

Prerequisite: Successful completion of Living Environment, a physical setting course, and Algebra I.**(Exceptions: those students enrolled in Living Environment Honors or are recommended by their Living Environment teacher may take Chemistry in 10th grade)**

This Regents course introduces many of the important concepts and methods of chemistry. **Any student planning on going to a four-year college, especially those who are planning on furthering their education in science or a science field (nursing, medicine, physical therapy, sports medicine, science research, or engineering should highly consider taking this course.** Classroom emphasis is on the theoretical basis of chemical change. In the laboratory, observation and practical applications are emphasized. Some topics studied are: matter and energy, the structure of atoms, bonding of atoms, periodic relationships among elements, kinetics, equilibrium, acid-base theories, oxidation-reduction reactions, electro-chemistry, and organic chemistry. A prerequisite for admission into the Regents exam in Chemistry (which will represent the final exam for the course) is a minimum of 1200 minutes of laboratory work accompanied by satisfactory and acceptable written reports.

**5320- AP (Advanced Placement) ENVIRONMENTAL SCIENCE (w/lab)
(not offered in 2024-2025)**

Credit: 1

Prerequisite: successful completion of at least one year of life science and one year of physical science and teacher recommendation

This course is designed to be the equivalent of a one-semester introductory college course in environmental science. This is a rigorous science course that stresses scientific principles and analysis and includes a laboratory component. Major topics covered in this course include Earth systems and resources, the living world, population biology, land and water use, energy resources and consumption, pollution, and global change. Students should expect to perform detailed environmental science laboratories, including a number that involve going outdoors. This course is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science or alternatively to fulfill a basic requirement for a laboratory science and thus free time for taking other courses. **All students enrolled in AP Environmental Science are REQUIRED to take the AP exam.**

5401- AP (Advanced Placement) BIOLOGY

Credit: 1

Prerequisite: must have successfully completed Living Environment and a Physical Setting Course and have teacher recommendation

This course is designed to be equivalent of a two-semester college introductory biology course that is usually taken by biology majors during their freshman year. The course will include those topics regularly covered in a college biology course for majors. The course will differ significantly from the Living Environment course with respect to the kind of textbook used, the range and depth of the topics

covered the type of laboratory work, and the time and effort required of the students. AP Biology aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics covered include: molecular biology, genetics, evolution, anatomy and physiology, ecology, and biological diversity. Students should expect to perform a detailed anatomical dissection of a fetal pig or a cat as part of this course. Any student considering taking AP Biology must be willing to devote the time, effort and hard work needed to master the challenging course work they will encounter in this class. All students enrolled in AP Biology are required to take the AP exam.

5321- FORENSIC SCIENCE

Credit: 1

GRADES 11-12

Prerequisite: successful completion of a physical science course and Living Environment

This course investigates the application of science to law. It examines the history of forensic science, analysis of physical evidence, forensic toxicology, DNA technology, microscopic analysis, fingerprinting, forensic serology and computer forensics. Students will be expected to analyze and write about case studies. They will also be required to collect evidence from simulated crime scenes, analyze this evidence, and present their findings to the class. This is an upper-level science course that involves advanced biological and physical science concepts.

5331- APPLIED PHYSICAL SCIENCE

Credit: 1

Grade 11-12

Prerequisite: must have successfully completed Earth Science and Living Environment and have passed at least one science regents

This course is designed to teach students to apply the laws, theories, and principles of the physical sciences to everyday phenomena. It will focus on real-world issues to promote understanding of chemistry and physics as it relates to students' experiences. We will discuss the following topics to understand the principles of the physical sciences; scientific method, water, air, atoms, and nuclear science, elements and bonding, food, nanotechnology, petroleum, energy, forces and motion, electricity and magnetism, and mechanical waves and sounds. Organizational, critical thinking, problem solving, and hands on laboratory investigation will be emphasized. This course principles of the physical sciences; scientific method, water, air, atoms and nuclear science, elements and bonding, food, nanotechnology, petroleum, energy, forces and motion, electricity and magnetism, and mechanical waves and sounds. Organizational, critical thinking, problem solving, and hands on laboratory investigation will be emphasized. This course is intended for those students who need a third science credit, but lack the math background to take Regents Chemistry or Physics.

5421- PHYSICS (w/lab)

Credit: 1

Prerequisite: Successful completion of Algebra 2/Trigonometry course including a passing grade on the Algebra 2/Trigonometry Regents exam

This Regents course is an intensive science course that introduces a wide variety of mathematical and scientific concepts in Physics. These include mechanics, work and energy, electricity and magnetism, wave phenomena, nuclear energy and modern physics. This course uses a combination of classroom theory and laboratory application in order to understand physical concepts. A prerequisite for admission to the Regents exam in Physics, which is the final exam for this course, is 1200 minutes of laboratory work accompanied by satisfactory and acceptable written reports.

NOTE: CHEM101 is through SUNY Cobleskill. Cost for these courses are based on whether or not the student meets the eligibility requirements for the USDA National School Lunch Program, which is determined by an Income Eligibility Form that will be given to the student and payment will be as follows: Free=Free, Reduced=\$25/per credit, Full price=\$50/per credit.

5800- CHEM101 – COLLEGE CHEMISTRY (w/lab)(SUNY Cobleskill)

Credit: 1

College Credit: 3

Prerequisite: completion of Regents Chemistry and a grade of 70 or higher on the Regents Exam.

This course will introduce students to chemical principles as they relate to real-world applications in society and the environment. The following topics will be covered: units and measurement, classification and properties of matter, energy in chemical changes, bonding interactions in physical and chemical processes. Specialized topics include acids and bases, oxidation and reduction, organic chemistry, materials science, and environmental issues. The laboratory activities are designed to provide students with hands-on experience with general laboratory experimentation methods, while at the same time examining the practical application of chemistry in common, everyday substances. Students will learn basic lab safety, measurement and observation skills, data collection and analysis techniques. This course is useful for preparing students conceptually for CHEM111 and satisfying a science elective for nonscience majors.



Social Studies

2006- CIVICS ELECTIVE (does not replace Global class)

Credit: ½

For Grade 9 only and any new student entering from outside of NYS

Students will study the foundations of American democracy and the origins of American government. Emphasis is placed on the Constitution and the rights and responsibilities of citizens in a democratic society. In addition, students will engage in an advocacy project that will strengthen leadership skills and promote student voice.

2102- GLOBAL HISTORY & GEOGRAPHY 9

Credit: 1

The Global History and Geography core curriculum is a two-year program (grade 9 and 10) based on the five practices of the New York State Social Studies Framework. It is designed around eight historical units and focuses on common themes that occur across place and time. This curriculum provides students with the opportunity to explore the development of political systems around the world and to analyze the roles of significant individuals and groups during important periods of time and key turning points in global history. Topics covered in the 9th grade are: the development of agriculture, early civilizations, world religions, and the emergence of Europe, early Asian, Latin America, and African civilizations, and the age of exploration.

2103- ADVANCED PLACEMENT WORLD HISTORY 9

Credit: 1

This course enables Hudson High School to provide an academic challenge to the 9th grade enriched level students. This course will be divided into two full-year offerings, beginning in 9th grade. The curriculum will begin in pre-history and conclude by 1750. Students will be required to take the AP World History exam in May of their 10th grade year. Students will also take the New York State Regents exam in Global History & Geography in June. The course requirements will include **summer assignments** and selected readings. Students will be accepted into this program based on academic standardized tests, grades of 90+, teacher recommendation, and completion of the summer assignments. **If the academic standards are not upheld (87 average), the student may be reassigned to the Regents level course, with the understanding that improvement can result in advancement the following year.**

2110- GLOBAL HISTORY & GEOGRAPHY 9 HONORS

Credit: 1

This is an advanced, intensive study of the Global History and Geography curriculum mandated by NYS for grade nine. A focus on deconstructing primary documents, creating analytical historical arguments,

and crafting historical thinking will be emphasized. Entrance to the course is reserved for 9th graders with positive past performance in social studies classes and a desire to develop deeper analytical writing skills. The course will require significant essay writing. Course grades of 80+ and a teacher recommendation are required for entrance.

2211- GLOBAL HISTORY & GEOGRAPHY 10

Credit: 1

This is a continuation of the study of the history of the world from grade 9. This course is based on the five practices of the New York State Social Studies Framework. Emphasis is placed on investigating cultural development and social change in Global History. This course begins with the Enlightenment and Revolution and goes on to explore industrialism, imperialism, two world wars, and the world today. Emphasis on improving essay writing in preparation for the Regents exam covering the 10th grade material. All students are expected to take the Global History Regents at the end of the year as this is their final exam.

2212- GLOBAL HISTORY & GEOGRAPHY 10 HONORS

Credit: 1

This class is designed for students who are most likely planning on attending college after high school. These students have shown the ability to reach mastery level in social studies in the previous year but need to build further reading comprehension and writing skills in order to be successful in a college level or AP course. These students have been successful in their Global 9 class and scored well on their final exam in the preceding year. The goal of the class will be to enrich the standard Regents level curriculum to help them achieve their academic goals for the future. This class will use the Regents textbook supplemented with other materials and more rigorous assignments. All students are expected to take the Global History Regents at the end of the year as this is their final exam.

2213- ADVANCED PLACEMENT (AP) WORLD HISTORY 10

Credit: 1

This course enables Hudson High School to provide an academic challenge to the enriched level students. This course will be divided into 2 full-year offerings, beginning in 9th grade. The curriculum for this course covers the period 1200 to the present. This course will require at least 5-6 hours of work and study outside of class each week. Students will be required to take the AP World History exam in May. The cost of the exam is the student's responsibility. Students will also take the NYS Regents exam in Global History & Geography in June as this is their final exam. Students will be accepted into this program based on academic standardized tests and grade point average, teacher recommendation, and completion of the summer assignments.

2301- AP (Advanced Placement) UNITED STATES HISTORY

Credit: 1

This course focuses on American History from colonial period to the present. This course will provide the student with the analytic skills and the factual knowledge necessary to understand the lessons of American History. This course will require at least 5-6 hours of work and study outside of class each week. There may be **SUMMER ASSIGNMENTS**. In addition, students will be required to do extensive reading, conduct research, and participates in classroom discussions and debates. College credit may be available contingent upon the score results of the AP examination. All students enrolled in AP American History are required to take the AP exam. The cost of the exam is the student's responsibility. Students are also required to take the NYS Regents exam in American History in June as this is their final exam.

2311- US HISTORY 11

Credit: 1

US History and Government follows the NYS Regents curriculum. The class will take on the very foundations of the United States, seeking to shed light on today by examining how society and government developed throughout its history. Students will look at history from multiple sources and in several forms: art, literature, photos, films, etc. students will think critically about our history and government and how they define us as a nation. In additions, students will be devoting time to developing reading, writing, and research skills. The class will culminate with the NYS Regents Exam in United States History and Government.

2312- US HISTORY 11 HONORS

Credit: 1

This class is designed for students who are most likely planning on attending college after high school. These students have shown the ability to reach mastery level in social studies in the previous year but need to build further reading comprehension and writing skills in order to be successful in a college level or AP course. These students have been successful in their Global 10 class and scored well on their final exam in the preceding year. The goal of the class will be to enrich the standard Regents level curriculum to help them achieve their academic goals for the future. This class will use the Regents textbook supplemented with other materials and more rigorous assignments.

All students are required to take Economics and Participation in Government. Students who are eligible may substitute SO101-Introduction to Sociology for Participation in Government.

2401- ECONOMICS

Credit: ½

This is a required course for all seniors. This one semester required course includes an introduction to economic theories and systems. Elements include consumer, business, labor and agriculture (micro-economics) as well as national measures of the economy (macro-economics). Both United States' and the worlds' economies are examined.

2411- PARTICIPATION IN GOVERNMENT

Credit: ½

This one semester course will teach students the skills necessary for them to become effective participants in their own government by having "hands-on experiences". Students will learn to examine public policy issues in a systematic, disciplined manner and to put forth their own positions effectively in public forums. **10 hours of community service will be required.**

NOTE: Summer **College** Courses do not meet all NYS requirements, so you may have to retake this as a high school course during the academic year.

NOTE: for PY101 and SO101, students will need to be admitted to Columbia Greene Community College as Early Admissions candidates and will have to pay tuition to the college unless they meet the eligibility requirements for the USDA National School Lunch Program (the form to determine this will be given to the student to fill out).

2421- PY 101-GENERAL PSYCHOLOGY (Columbia Greene Community College)

Credit: ½

Seniors only

College Credit: 3

An overview of the field of psychology, including some of the basic concepts of the discipline and major aspects of human behavior, such as emotion, learning, conditioning, motivation, personality, and development. It includes more advanced material than the regular high school course. This course is a joint offering of Hudson High School and Columbia Greene Community College. Acceptance will be determined by the college; therefore, an application for part-time early admission must be completed. Students must have a minimum average of 85% in the academic area in which he/she would like to study. **A tuition fee is required.**

2431- SO 101-INTRODUCTION TO SOCIOLOGY (Columbia Greene Community College)

Credit: ½

Seniors only

College Credit: 3

This course may be used a substitute for Government

This is an introduction to and overview of the field of sociology. It gives students a basic working knowledge of the major institutions present in American society and their relationship to power, conflict, and social change. Eligible students may use this course to fulfill ½ unit required in Participation in Government. It is offered jointly by Hudson High School and Columbia Greene Community College. Acceptance will be determined by the college; therefore, an application for part-time early admission must be completed. Students must have a minimum average of 85% in the academic area in which he/she would like to study. **A tuition fee is required.**

Fine Arts

9121- STUDIO ART

Credit: 1

See what YOU like about art by trying out an extensive variety of hands on art experiences, including silk-screening and learning easy drawing tricks, expressing yourself with color, building a clay pot or sculpture. This course is mandatory for an art sequence and required before taking certain other art classes.

9212- CRAFTS

Credit: 1

This is a survey course of historic and contemporary crafts from many different cultures including Navajo spinning and weaving, Mexican punched paper and paper mache, Origami, clay mosaics, pyro engraving, macramé jewelry and handmade books.

9241- POTTERY & SCULPTURE

Credit: 1

Prerequisite: Crafts or Studio Art.

This hands-on course combines the craftsmanship of pottery and the versatility of sculpture into a full year course. Enjoy creating projects that are not restricted to a flat surface but expand into 3-D images. Paint, build, carve, mold and shape a variety of materials such as clay, wood, stone, metal, and plaster.

9251- DRAWING/PAINTING 1 & 2

Credit: 1

Prerequisite: Studio Art or Crafts

Draw/Paint 1 students will develop their drawing skills with portraiture, advanced perspective, figure drawing, shading techniques and cross-hatching, and materials such as chalk and oil pastels, India ink, pencil and charcoal. Second semester will concentrate on painting techniques with acrylics and watercolors. The students will build a strong background before moving into an area of concentration.

9271- DIGITAL PHOTOGRAPHY

Credit: 1

Prerequisite: Studio Art or Crafts

In this year long course students will express themselves creatively using digital photography and digital images to create art and advertising projects. Students will use Adobe Photoshop and other computer applications to digitally create and design assignments.

NOTE: ARTS114 is through SUNY Cobleskill. Cost for these courses are based on whether or not the student meets the eligibility requirements for the USDA National School Lunch Program, which is determined by an Income Eligibility Form that will be given to the student and payment will be as follows: Free=Free, Reduced=\$25/per credit, Full price=\$50/per credit.

9312- ARTS114 DRAWING I (SUNY Cobleskill)

Credit: 1

Prerequisite: Studio Art or Crafts

College Credit: 3

This is a beginning studio course that will introduce the fundamentals of drawing, such as line, value, contour, texture space, and composition. The course will utilize still life, landscape, and perspective to introduce observational drawing techniques. Students will also explore various drawing media, including but not limited to, graphite, charcoal, ink, pastel, and conte. Drawing supply kit required.

Family & Consumer

Family & Consumer Science utilizes hands-on experiential learning. Students apply and reinforce skills they have learned in other courses such as math, reading, and science. Many students benefit from seeing how their knowledge can be applied to practical everyday situations. Essential job skills like working cooperatively in a group to produce a product and following a set of directions are emphasized.

8101- FOOD & NUTRITION CORE

Credit: ½

“Do you have a passion for cooking and all things culinary? If you are ready for the discipline of the kitchen, this course is for you.” The content of this required course includes nutrition awareness, meal management, food preparation and purchasing, and meal service. It is a basic course that is strongly recommended for any student considering a career in the hospitality business or in another food related industry.

8211- FOOD PREPARATION & NUTRITION

Credit: ½

Prerequisite: Food & Nutrition Core

This course continues the concepts presented in the Food & Nutrition Core. Laboratory experiences will reinforce the concepts of a healthy diet and preparation of nutritious food products.

8214- GLOBAL AND GOURMET FOODS

Credit: ½

This course introduces students to the ways in which the culture and traditions of regions and countries influence food choices. Students will identify and prepare foods from various regions and countries to compare cuisines, ingredients used, and preferred cooking methods. Students will also examine the issues and conditions which affect the availability and quality of food in the global market. Current issues related to global nutrition from production through consumption will be explored. Through this investigation students will understand and appreciate diverse cultures. This course is recommended for students enrolled in Global Studies.

Health

5361- HEALTH EDUCATION (Grade 10-12)

Credit: ½

This course is a graduation requirement for every student.

This course will include a broad range of subject areas. Students will work on essential skills and various functional knowledge or content areas. This information will provide students with the knowledge to make informed decisions regarding their health and lifestyle. The purpose is for students to become healthier now and in their future. Curriculum is aligned with the NYS Learning Standards 1, 2, and 3 for Health Education at the commencement level and *The Guidance Document for Achieving New York State Standards in Health Education*. Skills covered: self-management, planning and goal setting, decision making, stress management, relationship management, communication, and advocacy. Functional Knowledge includes: health and personal wellness, nutrition and physical activity, eating disorders, stress management, mental health, violence prevention, bullying and cyber bullying, alcohol, tobacco, and other drugs, sexual health, HIV/AIDS, STI/STD's, disease prevention, unintentional injury prevention, etc.

5363- HE 103 - Critical Issues in Health (Columbia Greene Community College)

Credit: ½

Prerequisite: must have completed health or currently be in health

College Credit: 3

This is an introductory course dealing with the current critical issues involved in promoting and maintaining a wellness lifestyle. Emphasis is placed on viewing health in a multi-dimensional manner and assuming responsibility for maintaining one's health. Major issues to be addressed include stress, cardiovascular diseases, cancer, drugs, nutrition, and physical conditioning. Students interested in physical education, fitness, or health professions will benefit from taking this course. It is offered jointly by Hudson High School and Columbia Greene Community College. **This is not a substitute for health education credit.**

NOTE: for HE103, students will need to be admitted to Columbia Greene Community College as Early Admissions candidates and will have to pay tuition to the college unless they meet the eligibility requirements for the USDA National School Lunch Program (the form to determine this will be given to the student to fill out).



Music

9401- BAND

Credit: ½

Prerequisite: participation in the band program at the elementary and middle school levels unless waived by director

Students in the Band will study an instrument and perform a wide variety of music styles. The band plays two concerts a year and also performs to support or represent the school at a variety of functions and other community events. Band members may audition for participation in the Jazz Ensemble.

9409- JAZZ ENSEMBLE (Teacher approval required)

Credit: ½

Prerequisite: participation in concert band unless waived by the director

In the Jazz Ensemble students perform and learn a variety of Jazz and Contemporary musical styles ranging from the big band music of Duke Ellington and Benny Goodman to modern Funk and Soul music. The Jazz Ensemble performs at a variety of school and community events throughout the year.

9411- CONCERT CHOIR

Credit: ½

This is a year-long non-auditioned choir that meets alternating days first period which explores the joy of choral singing from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes basic group vocal technique, proper breathing, pronunciation, tone quality, sight-reading, music theory, and music history for a focused interpretation in performance. Students in Concert Choir are expected to participate in four concerts outside of the school day: December concert, Reverend Dr. Martin Luther King Jr. Ceremony in January, Music In our Schools concert in March and the June Concert. The final grade is a combination of the Rubric-based Daily Rehearsal and Concert Participation. There may be opportunity for NYSSMA Solo Festival and All-County Choir performances.

9415- SELECT CHOIR

Credit: ½

This is an auditioned vocal ensemble which offers students a variety of enriched musical opportunities. Students will enhance their knowledge of a variety of choral literature, music theory concepts, and will achieve a higher degree of perfection in the performance and understanding. Weekly group lessons are a part of the curriculum for this class. Repertoire is selected to provide sequential, systematic concepts and performance skills associated with varying musical content and style; these may include: madrigals, classical, a cappella jazz and contemporary and show choir numbers (with choreography). Each student

in this ensemble will have the opportunity to audition for and participate in festivals sponsored by the Columbia County Music Educators Association, the New York State School Music Association, and the National Association for Music Education. This includes opportunities for scholarships where applicable.

9418- AP MUSIC THEORY

Credit: 1

This is a college level course for highly motivated students with a serious interest in music. Students will complete coursework equivalent to that of a first-year college course in music theory. Students will learn the basics of music composition and harmony as well as advanced listening skills.

NOTE: MUSC133 is through SUNY Cobleskill. Cost for these courses are based on whether or not the student meets the eligibility requirements for the USDA National School Lunch Program, which is determined by an Income Eligibility Form that will be given to the student and payment will be as follows: Free=Free, Reduced=\$25/per credit, Full price=\$50/per credit.

9419- MUSC133 – WIND ENSEMBLE (SUNY Cobleskill)

Credit: ½

Teacher recommendation or audition

College Credit: 1

Students in Wind Ensemble will play music that is more demanding. Traditionally our concert band plays music at a NYSSMA Level III or IV. The Wind Ensemble will look to play Level IV or V, music depending on the ability level of the students currently enrolled with the goal of building a program that can perform at a NYSSMA Level VI. There will also be only two or three students to a part which puts more responsibility on each band member.

9430- FOUNDATIONS OF DRAMA & DANCE

Credit: ½

Grades 9-12

This course is designed to take students through all the ins and outs of the professional theater and dance world. From basic acting techniques, improvisation, audition skills, and building a theater resume, to Theater history, costume design, dance, and stage management practices, Foundations of Drama & Dance has it all! We'll take a deep dive into all the different jobs that go into making theatrical productions happen, both on stage and behind the scenes. This course will help students develop confidence on and offstage by working on public speaking techniques, selecting and performing monologues and scenes, and reading and performing plays by theater legends. From Shakespeare to modern Broadway, we'll do it all in Foundations of Drama & Dance.

9431- MUSIC THEORY AND TECHNOLOGY

Credit: 1

Prerequisites: Student needs to participate in the band and/or choral program and a recommendation from a music teacher.

Music Theory will develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course will utilize integrated approaches specifically designed for the development of student's fluency and speed regarding: reading, sight-singing, written, compositional, analytical and listening skills. Students will also have the opportunity to learn about the technology used to create modern music. This will include live sound, recording, and computer applications in music.

9451- MUSIC IN OUR LIVES I

Credit: ½

This course is designed to meet the New York State Regents Requirement for one unit of art/music credit for those students who do not participate in a major performing ensemble. Students will develop skills in critical listening elements of music theory and instrumental skills for personal enjoyment. This course also covers the rich history of American popular music along with discussion and analysis of current pop music and industry trends. No prior experience in music is necessary for enrollment in this course.

Prerequisite: Music in Our Lives I

Using foundations covered in Music in Our Lives, this course will focus on listening to and evaluating music from popular culture. Students will develop, even more deeply, previously acquired skills in critical listening elements of music theory and instrumental skills for personal enjoyment. An in-depth study of popular music releases, favorite artists, and music industry developments is an aspect of this course. In addition, American popular music history is explored from the 1960s – onward.

Physical Education

All students in New York State are **required** by law to successfully complete four years of physical education in order to graduate. Physical education units are designed to meet the New York State Learning Standards:

1. **Personal Health and Fitness:** students will have the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity and maintain personal health.
2. **Safe and Healthy Environment:** students will acquire the knowledge and ability necessary to create and maintain a safe and healthy environment.
3. **Resource Management:** students will understand and be able to manage their personal and community resources.

Students are required to actively participate in all activities while wearing appropriate clothing and footwear. A variety of lifetime fitness sports and activities will be offered. Some of these units include: soccer, touch football, volleyball, badminton, bowling, project adventure games, swimming, racquetball, fitness walking, weight lifting, lacrosse, aerobics, archery, and golf. ¼ (0.25) credit will be earned upon successful completion of each semester.

PHYSICAL EDUCATION ELECTIVES

9994- LIFEGUARDING (does NOT replace PE class)

Credit: ¼

Prerequisite: candidates must be at least 15 years old on or before the final scheduled session of the course, swim 300 yards, continuously demonstrating breath control and rhythmic breathing, may swim using the front crawl, breaststroke or a combination of both but swimming on the back or side is NOT allowed, swim goggles may be used, tread water for 2 minutes using only the legs, and complete a timed event within 1 minute 40 seconds.

The primary purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries, and sudden illnesses until emergency medical services (EMS) personnel take over. This program offers a choice of Lifeguarding/First Aid/CPR/AED courses to meet the various training needs of a diverse audience. Upon successful completion of the course participants will earn a lifeguarding certification that is valid for 2 years. **The approximate fee for this course is \$53.00.**

9997- COLLEGIATE SKILLS (does NOT replace PE class)

Credit: ¼

Teacher approval is required

For Grades 10-12

This is a class where students assist with the Unified PE class. Collegiate students participate with and assist students with developmental disabilities to fully engage in the Physical Education setting. Students will have the opportunity to compete with the Unified students in various sporting competitions including bocce, badminton and bowling. During the course of the year there are multiple field trips to attend. Past trips have included bowling, canoeing on the Hudson and a Valley Cats baseball game.



Technology

Technology education is an exploratory program. Methods of instruction are “hands on” and problem-based learning. An understanding of technological advancements and their impact on American lifestyle and jobs are emphasized. Students planning to enter a 2 or 4 year technical or engineering college program are encouraged to select from courses marked with an asterisk (*).

7001- MAKERSPACE (formerly known as Materials Processing)

Credit: ½

Grades 10-12

We have an amazing facility at Hudson High School where we can use different materials such as wood, metal, and polymers to make products and various projects. This course is aimed to broaden a students' skills using machines to make useful products / projects. Topics include Basic Woodworking, Basic Metalworking, Polymers and automated manufacturing. Materials processing is defined as **the series of steps or “unit operations” used in the manufacture of raw-materials into finished goods.**

7110- TECHNOLOGY I (Production/Transportation Systems)

Credit: ½

Grades 9-12

This course explores the worlds of Production and Transportation Systems. This is a hands-on course. During the transportation units, students design, build, and test scale model cars, fly rockets, and sail boats. During the Production unit activities Include building a model house, and making a mass production project that can be used at home.

7121- BASIC ELECTRICITY*

Credit: ½

Prerequisite: 1 year of math

Grades 10-12

This course provides introductory electrical theory in AC and DC circuits. Students will learn how a motor works by building a motor. They will have a better idea of how their phone works by building electronic kits and learning about the components that make it work This course is highly recommended for the student who plans to pursue further study or a career in electricity/electronics.

7114- TECHNOLOGY CHALLENGE*

Credit: ½

(combination of Design & Drawing for Production and Principles of Engineering)

Grades 9-12

This is a class unlike any other, students are given problems to solve and they must come up with the solutions to build to solve a problem. Some activities are individual work while others are group assignments. Assignments are competitive in nature. Topics have included structural strength testing through bridges and towers. Safety test Challenges through the egg crash Cars and Egg drops, Other

Challenges include Marble Mazes, Trebuchets, Catapults and toxic waste racers just to name a few ...Are you up for the challenge?

7112- TECHNOLOGY II*

Credit: ½

Prerequisite: Technology Challenge or Studio Art

Grades 10-12

(combination of Architectural Drawing & Technical Drawing)

In this course students will learn to draw with traditional drafting tools using CAD (Computer Aided Drawing) Students will learn the language of technical drawing through hands-on drawing through assignments and activities used to develop spatial skills. Students will use CNC and 3-D printing from items that they have designed. Students will gain Architectural knowledge by designing and building model homes / buildings during the Architectural Drawing Unit.

7115- Technology III Emerging Technologies

Credit: ½

(combination of Alternative Energy and Materials Processing)

Grades 10-12

Students will learn about energy sources old and new through Experiments, Activities, Kits and Challenges. Topics such as Solar, Wind, Fuel Cells, Steam Power, Energy and Power and future technologies will be covered through hands-on work. It is intended to acquaint students with the sources and forms of energy/ technologies available now and what may be available in the future.

7241- WOODWORKING TECHNOLOGY

Credit: ½

Grades 9-12

In this course students build wood projects from working drawings using both hand and power tools. They learn to glue, clamp, and apply finishes. The skills developed in this course are useful to future tradespeople and homeowners.

7301- ADVANCED WOODWORKING TECHNOLOGY (formerly known as Furniture Making) Credit: ½

Prerequisite: Woodworking Technology or Technology I

Grades 10-12

This advanced woodworking course is open to qualified students. Students will follow detailed plans in construction quality wood products. Admission to the course is based on aptitude and past performance in woodworking technology. Students should have prior course work in technical drawing. This is an excellent course for the capable student who wants to prepare for training, beyond high school, in carpentry, cabinet making or furniture making.

7401- CONSTRUCTION I (formerly known as Residential Structures)

Credit: ½

Grades 9-12

This course covers machine and tool safety, how a house is built, and the various trades involved in building a house. Students will be assigned hands-on projects that help discover how a house is built.

World Languages

World languages are offered throughout all 4 years of high school. Instruction is a continuous, expanding process. Emphasis at all levels is functional communication. The ability to communicate effectively at any given level of proficiency will require a specific vocabulary, a specific set of linguistic structures, and specific knowledge of certain cultural items. These skills cannot be acquired in one single unit of instruction. Students acquire this gradually as their proficiency in communication becomes more advanced. The components are revisited again and again each time at a more advanced level. The majority of class time is spent in developing real communication with authentic material and experiences.

3111- AMERICAN SIGN LANGUAGE 1

Credit: 1

This course is an introduction to American Sign Language and the Deaf Community. Students will learn to communicate and express themselves using American Sign Language with basic vocabulary, phrases, grammar, sentence structure, while emphasizing cultural foundations. As the fourth most commonly used language in the United States, students will explore how ASL is used in various occupations, deaf history, cultural influences, and how ASL is used across hearing and deaf communities creating an environment of inclusiveness. Each student is expected to use American Sign Language skills for a final presentation about themselves as the culminating experience.

3121- SPANISH 1

Credit: 1

This is a beginner's course. It is an introduction to Spanish. Students are expected to learn basic communication skills in order to express themselves at a proficient level. It is meant for students who have little to no experience with Spanish and/or for those who need to meet the minimum High School graduation requirement of passing a Checkpoint A exam. Successful completion of this course and Checkpoint A exam will enable students to continue onto the next level of study in an attempt to obtain their advanced regents diploma.

3221- SPANISH 2

Credit: 1

Prerequisite: Spanish 1 and pass the Checkpoint A exam.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in simple conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in the present and past time, inside and outside of the classroom setting. Focus is placed on understanding main ideas. They develop a better understanding of the similarities and differences between cultures and languages and they examine the influence of the beliefs and values on the target culture(s). Integration of other disciplines is ongoing throughout this course. Spanish 2 is just the first half of Checkpoint B. Completion of this course will enable students to continue onto the next level of study in an attempt to obtain their Advanced Regents Diploma.

3231- AMERICAN SIGN LANGUAGE 2

Credit: 1

Prerequisite: American Sign Language 1

This is the second course of the ASL series. Students will demonstrate intermediate receptive and expressive knowledge of ASL. Students will make connections to Deaf culture by comprehending short conversations, communicating in a wider array of situations in culturally appropriate ways, and sharing American Deaf Culture Information. A final presentation in ASL is required.

3321- SPANISH 3

Credit: 1

Prerequisite: Spanish 1 and 2

This course provides students with additional opportunities to expand their listening, speaking, reading, and writing skills as they relate to the language and as they access short literary texts, authentic materials, and media on generally familiar topics. Students satisfy limited communication and social interaction demands; they initiate and maintain face-to-face communication. They identify main idea(s) and significant details in discussions, presentations, and written texts within a cultural context, read and interpret authentic materials, narrate and describe in sentences, groups of related sentences, and short cohesive passages in present, past, and future time and compose messages, announcements, personal notes, and advertisements. They refine their knowledge and understanding of the target language and culture(s) by applying their knowledge and skills inside and outside of the classroom setting. Integration of other disciplines is ongoing throughout this course. Spanish 3 is the second half of Checkpoint B. At the end of this course students must pass the NYS approved Checkpoint B exam in order to obtain their Advanced Regents Diploma. This course is a prerequisite for the college level courses.

3332 - AMSL145-AMERICAN SIGN LANGUAGE I (ASL 3) (SUNY Cobleskill)

Credit: 1

Prerequisite: American Sign Language 1 and 2

Students must have a basic foundation of conversational ASL and basic knowledge on Deaf Culture. This is the third course in our ASL series. Throughout the year students will continue their language journey building stamina and confidence in communicating in ASL. In addition to building our ASL skills we will begin to explore ASL career opportunities. Students will continue to make connections to Deaf Culture and Deaf Guests by conversing in ASL.

NOTE: SPAN201, SPAN202, AMSL145, and AMSL146 are through SUNY Cobleskill. Cost for these courses are based on whether or not the student meets the eligibility requirements for the USDA National School Lunch Program, which is determined by an Income Eligibility Form that will be given to the student and payment will be as follows: Free=Free, Reduced=\$25/per credit, Full price=\$50/per credit.

3423- SPAN201-CONTINUING SPANISH I (Span 4) (SUNY Cobleskill)

Credit: 1

Prerequisite: Spanish 3

College credit: 3

Following a thorough review of basic grammar, this course will focus upon development of fluency in reading, writing, understanding and speaking the Spanish language. We investigate Spanish through the study of film, literature, and current events.

3513- SPAN202-CONTINUING SPANISH II (Span 5) (SUNY Cobleskill)

Credit: 1

Prerequisite: SPAN201

College credit: 3

A sequel to SPAN201. Following a thorough review of basic grammar, this course will focus upon development of fluency in reading, writing, understanding and speaking the Spanish language. This course follows a thematic curriculum and is taught in Spanish 90%-100% of the time. Themes covered are music, art, literature, Spanish & Hispanic history (Native Americans), all media and modern plays.

3431- AMSL146-AMERICAN SIGN LANGUAGE II (ASL 4) (SUNY Cobleskill)

Credit: 1

Prerequisite: ASL 3

College Credit: 3

Welcome to the final course in the ASL series. The focus in class will be on receptive skills with the course being taught in ASL 90-100% of the time. This course will follow a thematic curriculum with topics covered: education, art, ADA law, careers in ASL, literature, stories, ASL history, Deaf History (all cultures), all media, and current events. Students are required to give presentations, concentrating on interactive skills. Students will be introduced to community Deaf/ASL events and/or host ASL/Deaf events.

OTHER ELECTIVES

4223- COMPUTER SCIENCE DISCOVERIES

Credit: 1

Grades 10-12

Pre-requisite: Algebra and Geometry

This course is an elective and cannot be used as a third math credit

This is a highly interactive and collaborative introduction to the field of computer science. The course takes a wide lens on computer science by covering topics such as problem solving, programming, physical computing, user centered design, and data. Students build their own websites, apps, animations, games, and physical computing systems. Students create and share their own content to meet various design challenges, as well as implement computational solutions to problems that impact their communities. Along the way, they practice design, testing, and iteration, as they come to see that failure and debugging are an expected and valuable part of the programming process.

5016- AGRICULTURE 1

Credit: ½

Grades 9-12

Everything relates back to agriculture. From the food and medicines we consume, to the clothes we wear, agriculturalists made it possible. In this introductory course students will focus primarily on small scale production. Come learn about how to grow your own food or fresh flowers while growing fish at the same time using materials you can find at home! This is a multidisciplinary course dealing with the social, economic, and environmental impact of food production (both plant and animal) and its processes.

5017- AGRICULTURE 2

Credit: ½

Grades 9-12

Now that students know the basics, we will be building off of that knowledge to begin looking at how agriculture works on a large scale. Examining both traditional agriculture and alternative systems, students will have the opportunity to translate research and course learning into direct application using hands-on experience with diverse agricultural communities and cultures. Although everything in this course will be focused through an agricultural lens, the career-based and technical skills can be applied to any and all industries.

6006- STUDENT TECHNOLOGY CREW

Credit: ½

For Grades 10-12

This is a blended learning, semi-independent study course focused on learning the foundational skills needed to work in an instructional technology/information technology environment. Students will complete technician training via Dell Tech Direct Learning Modules. Upon successful completion of a Dell exam, students earn an industry credential and become Dell Certified Technicians, able to disassemble, repair, and troubleshoot all Dell hardware. A key component of the course is regular attendance in the district IT office, working side-by-side with IT Technicians and administrators to troubleshoot and solve IT issues throughout our district. Students involved in this course work together to form the "Student Help Desk" of Hudson Senior High School and build professional and customer service skills through their work.

6007- STUDENT TECH CREW INTERNSHIP

Credit: ½

For Grades 10-12

Pre-requisite: students must take and pass STUDENT TECH CREW and be Dell Technician Certified.

This is a continuation of work started in the first Student Tech Crew course. Student interns will complete physical work with the IT Office staff, technicians, and administrators via a mutually agreed upon schedule. Together students will work as the "student help desk" of the high school, troubleshooting student, faculty, and district issues, and rectifying help desk tickets. Students will continue to refine their computer science, IT professional, and customer service skills through work on various hands-on projects throughout the course.

Created by



The Hudson Senior High Guidance Department