***STUDENTS MUST MEET PREREQUISITES FOR COURSE. STUDENTS WILL BE MOVED AT END OF YEAR TO PROPER COURSE INDICATED BY FINAL GRADE. ***

***ALL COURSE FEES ARE SUBJECT TO CHANGE. FEES WILL BE DETERMINED IN AUGUST.

AGRICULTURAL EDUCATION

AGRICULTURE, FOOD AND NATURAL RESOURCES (AG 1) – The first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.
Level: 9/12. Limited enrollment. Selection based on attendance and discipline records, recommendations, and career objectives.
Credit: 1 1/4 Length: Year

ANIMAL AND PLANT SCIENCE (AG 2) – Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.
Level: 10/12. Limited enrollment. Selection based on attendance and discipline records, recommendations, and career objectives, and qualifications for Tech Prep and S.T.S. Required prerequisite: Ag Food and Natural Resources. Must speak with Agricultural instructor to decide course pathway.
Credit: 1 1/4 Length: Year

MECHANICAL PRINCIPLES (AG 3) – Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.
Level: 11/12. Limited enrollment. Selection based on attendance and discipline records, recommendations, and career objectives. Required prerequisite: Ag Food and Natural Resources. Must speak with Agricultural instructor to decide course pathway.
Credit: 1 1/4 Length: Year

BUSINESS MANAGEMENT FOR AG AND ENVIRONMENTAL SYSTEMS (AG 4) –Open to Seniors only. Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implication of business regulations will be

identified.
Level: 12. Limited enrollment. Selection based on attendance and discipline records, recommendations, and career objectives, and qualifications for Tech Prep and S.T.S. Required prerequisite: Ag Food and Natural Resources. Must speak with Agricultural instructor to decide course pathway.
Credit: 1 1/4 Length: Year

ART

ART I

Are you interested in a career in Fine Art or majoring in Art in college? This course is a foundation class where students get to explore various forms of 2-D and 3-D art techniques. Students will learn the principles of art and design and become skilled in multiple techniques, such as drawing, painting, sculpture, printmaking, and art appreciation. Course Fee: $40
Level: 9-12 Credit: 1 Length: Year

ART II

This course is for second year art students that are serious about their future in the world of art. Students will continue to develop their understanding and skills in the elements and principles of art and design. This course goes more in-depth into the techniques of drawing, painting, sculpture, and printmaking. Students will be required to keep a sketchbook and work towards developing a portfolio. Course Fee: $50
Level: 10/11/12 Credit: 1 Length: Year

ADVANCED ART

This course if offered for the serious art students who want to advance their artistic skills and develop a portfolio for a future in the Arts. Students will create advanced artwork using multiple 2-D and 3-D techniques. Art appreciation and art history will be discussed and related to art creation. Post-secondary art opportunities will be discussed, allowing students to get a jump-start on their future art endeavors. Students will be required to keep a sketchbook and develop a professional looking portfolio. Course Fee: $50
Level: 11/12 Credit: 1 Length: Year

2-D DESIGN

Do you enjoy drawing and painting? This course will introduce you to different 2-Dimensional art techniques. Students get to explore a variety of mediums, such as pencil, paint, ink, and more. Learn the fundamentals of art and design and incorporate your skills into a variety of projects. Course Fee: $20
Level: 9-12 Credit: 1/2 Length: Semester

3-D DESIGN

Do you like to make things with your hands? This course will introduce you to a variety of mediums used to create 3-Dimensional artwork. Experiment with plaster, clay, paper mache, and other sculptural materials. Learn the fundamentals of art and design while creating interesting sculptures. Course Fee: $20
Level: 9-12 Credit: 1/2 Length: Semester

CERAMICS

This course explores hand building and wheel throwing techniques. Students will create functional and sculptural works out of clay. Students will learn about the history and relevance of ceramic items from the past and present. Course Fee: $50
Level: 9-12 Credit: 1/2 Length: Semester

FUNDAMENTALS OF ART & DESIGN

This course is an introductory level course that addresses a variety of 2-D and 3-D artwork opportunities. Learn the fundamentals of art and design and relate art techniques to art history. Experiment with the basics of art creation and art appreciation. Course Fee: $20

Level: 9-12 Credit: 1/2 Length: Semester

INTRODUCTION TO GRAPHIC DESIGN

This course is an introduction to the basics of Graphic Design. Students will learn tools and skills in Adobe Illustrator and Photoshop. In this class students will create logos and magazine covers, manipulate photos, develop concepts for businesses, and gain an understanding for basic design concepts. Course Fee: $10

Level: 9-12 Credit: 1/2 Length: Semester

EXPLORING CONCEPTS OF GRAPHIC DESIGN

This course is a continuation on Introduction to Graphic Design. It provides an opportunity to learn more in depth concepts and techniques in graphic design. Students will create and manipulate in Adobe Illustrator and Photoshop. Digital artwork will be created utilizing Mac laptops, digital cameras, and scanners. Prerequisite: Intro to Graphics Course Fee $10

Level: 10//11/12 Credit: 1/2 Length: Semester

BUSINESS/TECHNOLOGY EDUCATION

SPORTS MARKETING AND MANAGEMENT – This course is the introduction and application of business principals in the sports industry. It will focus on the aspects of management, marketing, economics, ethics, finance, and much more. We will also look closely at smaller sections of the industry including: sales, sponsorship, and facilities. Students will apply learned principal to complete real world projects directly related to created sports teams.

Level: 9-12 Credit: 1/2 Length: Semester

ENTREPRENEURSHIP - This course provides students the opportunity to access both benefits and risk associated with self employment. Students will develop a wide range of competencies and decision-making skills needed to start a small business. Students will work through a series of structured peer activities and assignments that correspond with each phase of new venture planning. Throughout the class students refine their venture's hypothesized business model based on instructor, visiting experts, and peer feedback. Students will have the opportunity to run an online simulation of a start up business!

Level: 9-12 Credit: 1/2 Length: Semester

COMPUTER APPLICATIONS - This course is an overview of Microsoft Office. (Word, Excel, PowerPoint) Students will learn to use the word processing, database, spreadsheet, and other features of the software to gain experience in each area of the program. It gives the students an opportunity to see what is offered in the computer program and how it can be used in their personal lives and can serve as a foundation for higher-level computer courses. Students will also learn the fundamentals of Apple IMovie as well as Google Apps. With the shifting technological focus of the district it is essential for students to have a firm grasp of Google Applications including: Drive, Docs, Slides, Spreadsheet, and Forms.

Level: 9 -12 Credit: 1/2 Length: Semester

PERSONAL FINANCE – This course is designed to explore the many ways students can enhance their knowledge of their role as an adult in today's society. The students will develop practical decision making skills through gaining knowledge from topics covered such as budgeting, banking, consumerism, credit, investing, insurance, and taxes. Students will learn how to prepare tax returns and complete and manage checking and savings accounts.
Level: 9-12 Credit: 1/2 Length: Semester

CAREER EXPLORATION - A required introductory course designed to assist students in (a) discovering their personal strengths and abilities, (b) understanding opportunities available to them in different career areas, and (c) practicing skills necessary to excel in the workforce and in postsecondary learning. Proficient students will know and exhibit soft skills (e.g. teamwork, creative thinking, and problem solving), as well as more technical skills (e.g. resume building and written communications) related to career exploration and experience.
Level: 9-12 Credit: 1/2 Length: Semester

ENGLISH

CREATIVE EXPRESSION 1S & 2S - The course will incorporate speech, drama, artistic technology and creative writing into individual assignments and larger projects. You may take either course or both. Course may only be taken a maximum of two semesters. Fee: $10.00
Level: 9-12 Credit: 1 Length: Semester

ENGLISH I - This course teaches the fundamentals of the writing process through the study of novels, short stories, drama and poetry. Students review basic grammar concepts while completing assignments and public speaking projects. All students are required to read one, independently-selected book each quarter. Fees: $12.00
Level: 9 Credit: 1 Length: Year

ENGLISH I HONORS - teaches the fundamentals of the writing process through the study of novels, short stories, drama and poetry while preparing students for the rigorous Pre-AP English II and AP classes. Students review basic grammar concepts while completing assignments and public speaking projects. All students are required to read one independently selected book each quarter. There will be extensive reading and writing. Students must meet honors criteria. Fees: $15.00.
Level: 9 Credit: 1 Length: Year

ENGLISH II - Students will sharpen and develop grammar, composition, vocabulary and reading skills and will gain an appreciation of various literary forms. Composition will be developed in various types of essays and papers and will include a step-by-step research paper. Fees: $15.00
Level: 10 Credit: 1 Length: Year

PRE AP ENGLISH II HONORS – In addition to the regular English II curriculum, Pre-AP will prepare students for the AP course in English Language and Composition. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. There will be extensive reading and writing. Student must meet honors criteria. Fees: $20.00.
Level: 10 Credit: 1 Length: Year

ENGLISH III - This course features American prose and poetry, along with contemporary literature. Students will develop and practice college preparatory research and formal writing skills. MLA-style research papers and outside reading are required. Fees: $25.00
Level: 11 Credit: 1 Length: Year

AP ENGLISH LANGUAGE AND COMPOSITION – In this college-level course, students will become skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. (Fulfills the junior English requirement) $35.00
Level: 11 Credit: 1 Length: Year

ENGLISH IV - This course features British prose and poetry, along with contemporary literature. Students will develop and practice college preparatory research and formal writing skills. MLA - style research papers and outside reading are required. Fees $25.00
Level: 12 Credit: 1 Length: Year

AP ENGLISH LITERATURE AND COMPOSITION - This course is designed to be the equivalent of an English course taken during the first year of college. Course content includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Through close reading of selected texts, students deepen their understanding of the way writers use language to provide both meaning and pleasure for their readers. Students are also required to complete a summer reading component. Possible college credit is available with an appropriate score on the AP Exam given in May. **This course is reading and writing intensive.** Fees: $35.00
Level: 12 Credit: 1 Length: Year

MEDIA COMMUNICATION

RAMBLER/YEARBOOK - The objective of this class is for you to plan, design and produce a quality digitally computer-based yearbook. Students must be self-motivated and self-disciplined. Knowledge and use of digital cameras, scanners, Adobe Photoshop and In Design are useful. Students must be able to set goals and work to meet them with deadline pressure. Good attendance and willingness to work with others is a must. Keeping a high level of academic achievement during the year is needed because you will miss some classes. Students applying for this class must fill out an application and have prior approval of the instructor. This course may not be listed as an alternate course. Class is limited to 7-10 students.
Level: 10/11/12 Credit: 1 Length: Year

VIDEO COMMUNICATIONS - This course is designed so that each student will learn to use video equipment and take part in the development and production of school related multimedia, including announcements. Students will be required to film a variety of GHS activities throughout the school year. Fee: TBD
Level: 10/11/12 Credit: 1 Length: Year

HEALTH AND PHYSICAL EDUCATION

AEROBICS AND BODY CONDITIONING - A combination of conditioning with and without weights and aerobic exercise consisting of yoga, Pilates, kickboxing and aerobic dance.
Level: 11-12 Credit: 1/4 Length: Semester

FITNESS FOR LIFE – The purpose of this class is to help students become informed, independent decision makers capable of planning for enjoyable lifetime fitness and physical activity while achieving personal fitness. Objectives include: 1)acquire knowledge of the benefits of physical activity; 2)acquire self-management skills to promote lifelong physical activity; 3) become physically active while pursuing goals to become physically fit; and 4) become independent decision-makers who can plan his/her own fitness program. Circuit Training: M-W-F Conditioning: T-TH
Level: 10/11/12 Credit: 1/4 Length: Semester

HEALTH - Development of desirable behaviors, attitudes, and knowledge about physical, mental and social health. The course motivates and teaches pupils to live in such a way that they will formulate habits and values essential for healthful and happy living. Also includes CPR certification and sex education. Fees: $20.00
Level: 9 Credit: 1/2 Length: Semester

INDIVIDUAL & TEAM SPORTS – This is an entry-level class emphasizing beginner skills in a broad spectrum of activities in order to develop a foundation for future physical activity. Students will learn the rules, skills, and strategies necessary to be successful in each activity. *Fitness Friday's: Students engage in various fitness related activities.
Level: 10/11/12 Credit: 1/4 Length: Semester

INFORMATION LITERACY

LIBRARY SCIENCE - This course offers students a unique opportunity to render important services to the school and to develop special skills in media center operations. Students interested in Information literacy, Media literacy and Technology will gain experience in these evolving fields. Students will gain skills specializing in circulation, collection development, and facility services. Responsibilities include electronic circulation, shelving materials, assisting with audio/visual equipment, assisting patrons, and general facilities upkeep. This is an independent class in which students will be required to do different activities each week and be disciplined to do the activities in a timely manner.
Level 10/11/12 Credit: 1 Length: Year

LANGUAGES

SPANISH I - This is a college preparatory class in which the beginning skills of listening, speaking, reading, and writing in the target language are introduced. Emphasis is given to Hispanic influence in the U.S. and to the culture of Spanish-speaking countries. In order to attain success, students should have a good knowledge of English grammar. Fee: $30.00
Level: 9-12 Credit: 1 Length: Year

SPANISH II - A continuation of Spanish I using listening, speaking, reading, and writing activities. Heavy emphasis is placed on acquiring a variety of new grammatical skills. Prerequisite: at least a "C" in Spanish I. Fee: $30.00.
Level: 9-12 Credit: 1 Length: Year

SPANISH III – is a continuation of previous Spanish courses and the acquisition of the four basic language skills of listening, speaking, reading and writing. Much of this course will be conducted in Spanish, with the emphasis on improving oral and written language skills. Prerequisite: Spanish I and Spanish II with at least a "C". Fee: 30.00.
Level: 10/11/12 Credit: 1 Length: Year

SPANISH IV HONORS- This course is for serious language students only and will include extensive conversational practice encompassing discussions and debates in Spanish, reading literature, magazines, and newspapers, writing multi-paragraph passages on a variety of topics, and advanced research of cultural topics. Prerequisite: "B-" average in Spanish III. Fee: $30.00.
Level: 11/12 Credit: 1 Length: Year

AP SPANISH - This course is the equivalent of Spanish V, emphasizing the use of Spanish for active communication. It encompasses aural/oral skills, reading, comprehension, grammar, and composition. The goal of this course is to help you understand Spanish spoken by native speakers, develop an active vocabulary, and be able to express yourself in Spanish, both orally and in writing. Students may take the AP Test in May to receive college credit. Prerequisite: "B-" average in Spanish III.
Level: 12 Credit: 1 Length: Year

MATHEMATICS Students and/or parents can meet with the teacher of the previous class if they wish to discuss this placement.

ALGEBRA I - A course dealing with the basic structure of Algebra using the real number system and the process of manipulations of numbers and variables as applied to equations of area and volume. A slight introduction of plane figures and their properties is also applied to the concept of variables and unknowns. A minimum of 30 minutes homework per night is expected.
Level: 9-12 Credit: 1 Length: Year

ALGEBRA II HONORS - A college preparatory class that is a continuation of Algebra I. This course will explore the properties of functions. It will expose the student to analytic, numeric, and graphical solutions. Students need a strong understanding of Algebra I to complete this class. A minimum of 45 minutes of homework per night is expected. It is a requirement that students buy a graphing calculator (TI-84 plus) or (TI-83 plus).
Level: 10/11/12 Credit: 1 Length: Year

ALGEBRA II - This course extends the knowledge gained in Algebra I to other functions. Students will use basic analytic, numeric, and graphical solutions. A minimum of 30 minutes of homework per night is expected.
Level: 9-12 Credit: 1 Length: Year

AP CALCULUS - The Advanced Placement Calculus AB course follows the Advanced Placement syllabus and students may take the AP test in May to receive college credit. It is the equivalent of an entry-level college Calculus class. Course study will include properties of functions, limits, differential calculus, and integral calculus. Use of symbolic differentiation and integration utilities is also included. It is required that students buy a graphing calculator (TI-83 plus, TI-84, or Inspire). A minimum of one-hour homework per night is expected.
Level: 12 Credit: 1 Length: Year

FUNCTIONS, STATISTICS & TRIGONOMETRY - This college preparatory course is designed for those students finishing Algebra II who are not ready for Pre-Calculus. The aim of the class is for students to better comprehend how algebra, statistics, and trigonometry can be practically applied to lifelike situations. This course will be offered if space and teacher time are available. A minimum of 45 minutes homework per night is expected.
Prerequisite: Algebra II.
Level: 10/11/12 Credit: 1 Length: Year

GEOMETRY - This college preparatory course deals with deductive reasoning and proofs. The proofs are of plane and solid figures of all kinds. Logical thinking and fact organizations are essential as well as understanding of geometric figures around us. A minimum of 30 minutes homework per night is expected.
Level: 9-12 Credit: 1 Length: Year

PRE-CALCULUS HONORS - This College Preparatory course is a study of coordinate geometry, elementary functions, trigonometry, logarithms, probability and statistics. It is a requirement that students buy a graphing calculator (TI-84 plus) or (TI-83 plus). A minimum of 45 minutes homework per night is expected. Prerequisite: Teacher recommendation.
Level: 11/12 Credit: 1 Length: Year

STATISTICS – Statistics and its many applications. This is a College Preparatory 4th year math course that prepares student for statistics that are required for any career field. Prerequisite: Algebra II *Students must have graphing calculator.
Level: 11/12 Credit: 1 Length: Year

***Option--Students with an "A" in Algebra I may request teacher permission to take both Geometry and Algebra II the following year.

MUSIC

SYMPHONIC CHORALE - Enrollment is by audition only. Symphonic Chorale is considered the top choir at Greeneview High School and is comprised of mixed voices, divided into Soprano, Alto, Tenor, and Bass. This group is for students who seek to improve their individual and ensemble choral skills through daily rehearsals which focus on more challenging choral literature. This group is also for students who seek growth in the area of music theory and sight-singing. Students selected for enrollment in Symphonic Chorale are expected to attend and participate in all scheduled functions. Fees: TBD
Level: 9-12 Credit: 1 Length: Year

FLAG CORPS - Participation in flag corps as auxiliary unit to marching band. Tryouts may be required. A participation fee will be charged. This is purely extra-curricular. Students are expected to be present at all rehearsals & performances.
Level: 9-12 Credit: 1/4 Length: Quarter

CONCERT CHOIR - Concert Choir is a non-auditioned mixed choir open to all female and male students grades 9-12. This group focuses on the basics of singing in a wide variety of styles including barbershop, jazz, gospel, popular and classical. The Concert Choir performs at GHS choir concerts, OMEA large-group contest, and has the option of participating in the OMEA solo and ensemble event at an area high school. No previous experience is necessary.
Level: 9-12 Credit: 1 Length: Year

PIANO LAB 1S AND 2S - Piano Lab provides opportunities for students to start or to continue learning how to play the piano. Students will receive training in piano technique, music reading and, basic music theory and apply their growing knowledge and skills to playing pieces and songs ranging from classical to popular within their level of performance. Musical skills are taught on digital pianos and students learn at their own pace. Students should be able to stay on task and work independently when necessary. The piano lab is equipped with a communication system that enables teacher-to-student and student-to-student interaction.

Students will learn and perform individual pieces for each other through in-class recitals, as well as learn and perform group pieces with other students. Students will be required to purchase their practice books.
Level: 9-12 Credit: 1/2 Length: Semester

CONCERT BAND – A large, performance-based ensemble exploring the various styles of band music. Students who participate in concert band must participate in marching band, unless they participate in a fall sport. Students who participate in a fall sport and wish to participate in marching band must split time between both activities. Students who participate in a fall sport and wish not to split time with marching band may participate in concert band only. Those students who participate in marching band must be available for summer and after school practices. Students should also be advised that attendance at all performances is mandatory. Students who cannot commit to the many performances throughout the year should not sign up for this course. Fee: A participation fee will be charged.
Level: 9-12 Credit: 1 Length: Year

MARCHING BAND – This course is open to students in Grade 9-12 who are qualified instrumentalists through band director recommendation or audition. This course begins meeting in mid-July with summer Band Camp. This elective course is offered for those band and color guard members interested in performing at football games, parades and marching band competitions. The "corps-style" concept of marching and performance will be the foundation for all teaching. Emphasis will be placed upon fundamentals of musicianship, marching and maneuvering, musical expression, showmanship, physical coordinating, and development of discipline and character.
Level: 9-12 Credit: 1/4 Length: Quarter

SENSATIONS SHOW CHOIR - Sensations, recently named “the singing voice of Jamestown”, is a select group of 9-12th graders chosen by audition by the director from the general student body and membership of the Greeneview Vocal Music Department. This group performs a variety of music and dance styles. Members sing songs while performing dance routines. This show choir represents Greeneview High School in all choir concerts and scheduled community engagements. Although the membership’s musical requirements are high, the foremost qualification is a strong desire to contribute extra time and effort for the overall benefit of the Vocal Music Department. Membership in another choir is required of all members. Exceptions will be made at the director’s discretion. Practices are held after school and before homeroom. Outfits will be purchased by the members. Participation fee: $30.00
Level: 9-12 Credit: 1 Length: Year

SCIENCE

GENERAL CHEMISTRY - The study of the interactions between atoms, formula and equation writing, behavior of gases, basic chemistry lab skills, chemical reactions, periodic law and stoichiometry without a major emphasis in the math behind chemistry. This is not considered a college preparatory course. Lab Fee: $25.00
Level: 11/12 Credit: 1 Length: Year

PHYSICAL SCIENCE - Physical Science is designed to introduce students to both chemistry and physics. Chemistry topics include: the structure of matter, atomic theory, chemical bonding, writing formulas and equations, and chemical reactions. Physics topics include: energy, motion, electricity and waves. Students will use a basic understanding of measurement, Algebra, note taking, scientific language and graphing. The format of this class includes hands-on learning, independent preparation and other various learning techniques.

This course is divided into three distinct levels based on prior performance.
Honors Physical Science will be assigned to students earning an 85% or higher in both Science 8 and Algebra 1.
Physical Science will be assigned to students that pass Science 8 (but do not meet honors requirements).
Essentials of Physical Science will be assigned to students that did not receive credit for Science 8 or are repeating the course. Lab fee: $10.00
Level: 9 Credit: 1 Length: Year

BIOLOGY I - This course explores the living world, the physical environment and the interactions within and between them. Fundamental concepts of heredity, evolution, cells, classification, and ecosystems will be explored through scientific investigations. This is a college preparatory course and satisfies inquiry-based lab experience required for graduation. **Prerequisite:** Physical Science Credit Fee: $20.
Level: 10/11/12 Credit: 1 Length: Year

BIOLOGY II is a second level biology course that allows the students to study advanced topics in biology. The course will attempt to address the interests of all students by providing them with a variety of topics to study. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other related topics. Fees: $15
Level: 11/12 Credit: 1 Length: Year

AP BIOLOGY– This advanced course is organized around four big ideas in Biology: 1) Evolution 2) Cellular Processes: Energy & Communication 3) Genetics & Information Transfer 4) Interactions. A heavy emphasis is placed on science as a process, scientific inquiry, the ability to unify themes like molecules, cells, evolution, heredity, organisms, and populations and the application of critical thinking skills to solve environmental and social problems. Students are expected to do independent study and work at an accelerated pace. This is a college level course equivalent to a two-semester college introductory biology course that will prepare students for taking the AP exam. **Prerequisite:** "B" or above in Biology, Chemistry, and Algebra II or teacher recommendation. Lab fee: $40.00
Level: 11/12 Credit: 1 Length: Year

CHEMISTRY HONORS - The study of the interactions between atoms, formula and equation writing, behavior of gases, basic chemistry lab skills, chemical and mathematical relationships, periodic law and stoichiometry. This is a college preparatory course. Prerequisite: A or B in Biology I and Geometry or Teacher Recommendation Lab fee: $25.00
Level 10/11/12 Credit: 1 Length: Year

AP CHEMISTRY - Is designed to be the equivalent of the general chemistry course usually taken during the first year in college. This class will be conducted primarily through laboratory experiments and problem solving activities, reinforced with lecture and discussion. We will also complete long-term projects throughout the year. Major topics of study will include atoms, molecules, ions, mass relations, gases, bonding, reactions, equilibrium, acids, bases, electrochemistry, and thermodynamics. Prerequisite: A in Chemistry Honors and Algebra II or teacher recommendation. Lab fee: $25.00
Level: 11/12 Credit: 1 Length: Year

GENERAL PHYSICS - The ideas behind many physics phenomena are discussed, with some emphasis on the mathematics. Topics include mechanics, forces, sound, light, magnetism, electricity, energy, and strong Algebra I skills are necessary. This is a college preparatory course. Prerequisite: Physical Science, Algebra I and Geometry, or special permission. Lab fee: $15.00.
Level: 11/12 Credit: 1 Length: Year

HUMAN ANATOMY AND PHYSIOLOGY HONORS– This course is structured for students interested in pursuing a career in the field of medicine. Designed as an in-depth look at the structure and function of the human body, it will cover the skeletal, muscular, nervous, circulatory, respiratory, digestive, reproductive and integumentary systems. Topics include cells, tissues, glands, blood, sensory organs and immunity. Laboratory work will include dissection of the sheep brain and kidney, beef eye, pig heart and the full cat. This is a college preparatory course. Prerequisite: "C" or better in Chemistry Honors or teacher recommendation. Fees: $30.00
Level: 11/12 Credit: 1 Length: Year

PHYSICS I HONORS - A faster paced physics course for the higher level mathematics student. Topics include mechanics, forces, sound, light, heat, magnetism, electricity, energy and modern physics. Prerequisite: "B" in Algebra II, enrollment in Pre-Calculus Honors or Calculus. Lab fee: $15.00
Level: 11/12 Credit: 1 Length: Year

PHYSICS II HONORS - This class is designed to build on the concepts learned in Physics I, with an emphasis on electricity and electronics. The students will be required to give several seminars throughout the year. Prerequisite: "B" or better in Physics I Honors, Chemistry I. Fee: $25.00
Level: 12 Credit: 1 Length: Year

PHYSICAL GEOLOGY - Physical Geology introduces the composition and dynamics of Earth from minerals to the global scale of plate tectonics. Major themes include the composition of minerals and rock, volcanism, Earth structures, earthquakes, erosion and surface processes, geologic time, geologic hazards, and plate tectonics. This course analyzes human interactions with geologic processes and the physical environment. Successful completion of physical geology prepares the student to recognize, understand, and appreciate the physical processes which continually change Earth over geologic time.
Level: 11/12 Credit: 1 Length: Year

SOCIAL STUDIES

AMERICAN GOVERNMENT - A course designed to help students understand how our government works. Emphasis will be placed on becoming good citizens.
Level: 11 Credit: 1 Length: Year

AP GOVERNMENT AND POLITICS - This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret US politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US political reality. Fees: TBD
Level: 12 Credit: 1 Length: Year

CONTEMPORARY WORLD ISSUES – Required course exploring the dynamics of global interactions among nations and regions in the 20th and 21st centuries.
Level: 12 Credit: 1 Length: Year

AMERICAN HISTORY - A required course dealing with concepts, people and events from the 1860's to the 1960's important in the history of the United States.
Level: 10 Credit: 1 Length: Year

PRE-AP AMERICAN HISTORY HONORS – This course will require independent study, research projects, oral reports, and essay tests. Critical thinking is stressed. Grades are dependent on projects, test scores, and participation in class discussions. Students must apply and be accepted. This course covers the same content as the regular American History class. **Prerequisite**: 3.00 GPA or B average in World History, student must meet Honors Course Criteria.
Level: 10 Credit: 1 Length: Year

AP UNITED STATES HISTORY - In this college-level course, students should attain a mastery of general facts and chronology as well as an understanding of the interaction of events and ideas in U.S. History. (Fulfills the Senior social studies requirement) Fees: $35.00
Level: 12 Credit: 1 Length: Year

CURRENT ISSUES 1S & 2S- This semester course focuses on current and controversial issues in today's world. A variety of media, including print and internet sources, will be used.
Level: 9-12 Credit: 1/2 Length: Semester

PSYCHOLOGY - This survey course introduces the students to the field of psychology. It is designed to give students a basic history of psychology, theories of learning, self-awareness, the process of thinking, personality, heredity and mental health as well as a study of human growth and development.
Level: 10-12 Credit: 1/2 Length: Semester

SOCIOLOGY - This course is designed to introduce students to the theories, concepts and areas of inquiry that typically characterize sociological analyses. Specific areas to be covered may include: culture, socialization and social interaction, social groups, deviance, social class, race and ethnicity, sex and gender, and aging. Sociology furnishes an academic foundation for responsible citizenship in a multi-racial and multi-cultural global community. Students will also be expected to analyze and interpret a variety of primary and secondary source materials.
Level: 10-12 Credit: 1/2 Length: Semester

MODERN WORLD HISTORY HONORS–This course will require independent study, research projects, oral reports, and essay tests. Critical thinking is stressed. Grades are dependent on projects, test scores, and participation in class discussions. Students must apply and be accepted. This course covers the same content as the regular World History class.
Prerequisite: 3.00 GPA or B average in World History, students must meet Honors Course Criteria.
Level: 9 Credit: 1 Length: Year

MODERN WORLD HISTORY – This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.
Level: 9 Credit: 1 Length: Year

STREET LAW –This elective course will give students a deeper understanding of the impact of law upon their daily lives. Court structure, criminal procedure, civil rights, and other legal issues will be examined. The course will cover both criminal and civil law.
Level: 10- 12 Credit: 1/2 Length: Semester

G.R.A.D.S. - (Graduation Reality and Dual Role Skills) An in-school program for mothers or fathers-to-be, and for currently parenting students, which focuses on pregnancy, child development and parenting skills as well as balancing work and family, setting goals for your future, and developing a positive self image. Meets Monday, Tuesday, Wednesday and Thursday. Credit: .4 length: open entry, open exit.

GREENE COUNTY CAREER CENTER

Auto Collision Repair

The auto repair industry is growing in leaps and bounds as the designs of cars and trucks change to meet safety and style requirements. Today's vehicles are designed with materials that absorb energy upon impact. This engineering assures higher safety ratings, but also means that cars need more intricate repair than ever before. Technicians need training in the most modern repair methods using the best technology available. Students receive instruction in body work, sheet metal shaping on damaged bodies and fenders, uni-body and frame straightening, and refinishing. Auto body shop organization and operation are also covered along with cost estimation and the writing of repair orders.

Automotive Technology

New cars and trucks become more technologically complicated each year. Technicians require a strong background in computer diagnostics and programming, electronics, and engineering. At the Career Center, students learn to maintain and repair these vehicles using modern techniques and equipment. In addition, mentorships and placement with area auto dealerships are arranged.

Building and Property Maintenance

Students in the Building and Property Maintenance program will broaden their career horizons by learning the principals of masonry, plumbing, HVAC and EPA refrigerant certification, wood products technology, roofing, drywall, basic electricity and basic carpentry. The second year of the program allows students to master one or more of these areas and take a great set of skills to the job market!

Carpentry

Students learn rough framing, roofing, drywall installation and interior and exterior finish. When possible, the program leads the construction of an actual project house right on the GCCC campus. The Carpentry program is nationally-recognized by NCCER and allows students to earn college credit at Sinclair and Hocking College in a variety of construction pathways.

Cosmetology

Cosmetology students learn the basic and advanced skills needed to become licensed cosmetologists. Students in this popular career area become proficient in over 100 competencies including shampooing, hair shaping and styling, coloring, permanent waving, manicuring, giving facials, and pedicures. These skills are mastered through intense practice in the laboratory where students operate a full-service salon that is open to the public. Through this experience, future cosmetologists learn professionalism, customer relations, and salon management. These are the keys to success in this ever-changing field.

Criminal Justice

Criminal Justice will provide the knowledge and the skills applicable to a variety of public safety careers with a direct pathway to the criminal justice and corrections professions. Specialized classroom and practical learning experiences are directed by law enforcement professionals and representatives from local agencies.

Culinary Arts

The world of culinary expertise and restaurant management is explored in this exciting, fast-paced career preparation program. Students gain experience by learning all facets of restaurant and food service operations, including food preparation, by actually managing an active restaurant during the school year.

Digital Media

Computers have forever changed the way we work. Fields that were once considered traditional broadcasting or art are now converging thanks to digital technologies. The Digital Media program is the program that encompasses these fields. In this program, students use professional quality software and equipment to create content for video, animation, print, or for the Web.

Electrical Wiring and Motor Controls

Students learn and apply the basic theory of electricity to industrial, home and commercial settings. Graduates become proficient in the layout, installation and maintenance of circuits, motor controls, programmable logic controllers and fire alarms. Students who excel in this program and have met the attendance requirement may apply for the Apprenticeship program. This program is NCCER certified.

Equine Science

Students in the Equine Science program will be able to take advantage of the new state-of-the-art, 50 acre facility that features modern classrooms, stables, riding trails and a 18,000-square foot show arena. Students will learn about the care and feeding, breeding and anatomy of horses; horseback riding and horse training; and running horse-related businesses, such as riding schools, stables and stud farms. Areas of instruction include: nutrition, reproduction, rehabilitation, exercise physiology, welfare, and behavior of horses.

Food and Hospitality Management

This program is open to students interested in travel, food service and the hotel industry. The goal of the program is to prepare students to secure and succeed in entry level, technical, and skilled jog opportunities. Students encounter a hands-on laboratory and participate in cooperative work experiences at a variety of local organizations and businesses. The program features an on-campus restaurant that allows students to prepare, present, sell and serve Frisch's items to both staff and students. Skills learned include introduction to hospitality,

sanitation and safety, menu development, customer relations, food preparation, banquet set-up, dining and hospitality software and equipment operation.

Health Science Academy

The Health Science Academy provides opportunities for students to enter post-secondary education or the word of work. The multi-discipline academy allows individuals to discover their strengths and interests and then follow through in any of a wide array of health-related career pathways. All students will have the opportunity to receive STNA (State Tested Nursing Assistant) certification which is a good foundation for all health careers. Pace is adapted to meet the needs of all students. An accelerated pathway is available for students who meet the admission requirements which include a 95% attendance, 2.5 minimum GPA, college track biology with a "C" or better and Algebra I.

Information Technology

One of the most dynamic career areas going today involves the multi-faceted Information Technology industry. Students gain the necessary skills to implement computer systems and software, create software, provide technical assistance, and manage information systems. Acquiring the skills needed to pass industry-wide, nationally recognized certifications play an integral part of this program.

International Business and Finance

Students in this exciting program will learn how to interact with culturally diverse people, become knowledgeable of other cultures, languages, institutions, and learn problem solving skills. Students are also introduced to accounting, finance, insurance, investments, banking systems, financial management and planning.

Natural Resource Technologies

A wide range of experiences await students entering this multi-discipline program. A variety of career pathways are offered that can lead graduates to excellent post-secondary opportunities at area community colleges and technical schools or open doors that lead directly into the job market. Other college connections include agreements with The Ohio State University's ATI program and Clark State University.

Power Equipment Mechanics

Greene County is recognized around Ohio for its strong agricultural base. Qualified technicians who can maintain and repair heavy equipment are in demand. . The program is designed for students interested in learning hands-on skills in diesel, electrical, hydraulics, and gasoline engine repair and maintenance. Welding skills are also introduced.

Veterinary Science

Students will get a jump start on a career in the veterinary field with this exciting new program! Students learn about all animals, small and large, and will get a well rounded education in Veterinary Science. Areas of instruction include: safety and sanitation, animal restraining techniques, office management, medical terminology, laboratory procedures, and principles of disease and animal behavior. Students will be able to take advantage of the new state-of-the-art, 50 acre facility that features modern classrooms, stables, riding trails and a 18,000-square foot show arena. Admission requirements include a 95% attendance, 2.5 minimum GPA, college track biology with a "C" or better and Algebra I.

Welding& Metal Fabrication

Welding and Metal Fabrication students develop entry-level and advanced skills and knowledge of shop safety, metal characteristics, welding applications, and project management. The Welding lab is one of the most modern and complete facilities in Ohio. The manufacturing industry is in dire need of talented and qualified welders. Students who learn the various styles of welding are able to take their skills to a variety of career areas.

TECH PREP PROGRAMS

All programs at the Greene County Career Center are College Tech Prep which is an educational pathway that leads to a two-year degree and beyond. Tech Prep combines hands-on career-technical laboratory experience with academically challenging, college preparatory classes. Through partnerships with Sinclair Community College and Clark State Community College, the Career Center provides a seamless transition into college for students in many programs.