

# COURSE DESCRIPTIONS – 2008-2009

## DEPARTMENT OF APPLIED SCIENCE AND TECHNOLOGY

Innovations and Inventions – (1 unit) – This course is a study of design and design process intended for 9<sup>th</sup> graders. Students will begin learning mechanical drafting and the basics of CAD. Technical research, design, and planning of various projects such as structural design/bridge building, CO<sub>2</sub> dragster, aerodynamics and aerospace form the core of the technologies studied. Technology and technical career research are also required and incorporated into the studies.

Prereq. – None; Grade Levels – 9, 10, 11, 12

Technological Systems – (1 unit) -- This is an overview course designed to introduce students to the application of technology to solve problems and meet human needs and wants. Laboratory experiences are focused on the technology systems of bio-related technology, communication, computer applications, construction, energy, power, transportation, and manufacturing. Students will study concepts about technological systems and the influences these systems have at home, in communities, and at work. The content of the course includes, but is not limited to, the study of systems of technology, application of technology, design/problem solving, evolving technologies, safety, maintenance, entrepreneurship, leadership, careers, and marketing.

Prereq. – Inn. & Inv.; Grade Levels – 10, 11, 12

Engineering Processes – (1 unit) – This is an overview course that introduces students to the concepts and practices that underlie careers in engineering and engineering technology. The course integrates STEM (Science, Technology Engineering and Mathematics) into pre-engineering activities. Students acquire knowledge and skills in engineering problem solving and explore requirements for engineering careers.

The purpose of Engineering Processes is to expose students to project-based learning activities using advanced mathematics, design, pre-engineering concepts, use of time studies and problem-solving skills using both classroom and on-line materials. Students will also be required to perform research and upper level literacy in technology engineering education. This course is designed to provide information and experiences to help students adapt themselves to the workforce and the changing demands that will be placed on the engineering workforce in the 21<sup>st</sup> century. It will help students develop skills in problem solving, teamwork, time management, computer skills, and engineering systems.

Prereq. – Grade Levels – 11, 12

## ART DEPARTMENT

The art department of Greeneville High School is designed to provide every interested student with an educational opportunity in art. The staff strives to develop an appreciation for art along with teaching concepts and developing skills.

The art department offers five courses that have no prerequisite and may be taken by any student interested in art that will meet the fine art credit requirement for college admission. For those who think they might want a career in the art field, the Art Department's teachers can help suggest a course of study to follow based on student interest and career goals.

Fine Art four-year plan for students interested in an art career. Freshman year, Art I, after that students take one course per semester depending upon interest. As the student has more elective space, more courses may be picked up.

Suggested fine art path starting freshmen year: Art I, Drawing, Painting, one 3D course (Sculpture or Ceramics), Advanced Art, Photography, studio art (sr. yr.).

Suggested 3D path starting the sophomore year: Folk Art, Ceramics I, Ceramics II, Sculpture, Advanced Art, studio art (sr. yr.).

The suggested paths listed above can be arranged based on individual student preference in different combinations. Any student who gets Art I first block during their freshmen year may move along the fine art path at a faster rate and take more courses of study.

Visual Art I - (1 unit) - Students have basic instruction in various areas of art such as drawing, painting, design, color and art history.

Prereq. - None; Grade Levels - 9, 10, 11, 12

Visual Art II (Traditional Folk Art) - (1 unit) - This course offers the student an introduction to a variety of folk art from the United States and around the world. Some of the projects will include baskets, batiks, quilting, stained glass and a variety of other mediums. History, vocabulary and craftsmanship stressed. This is a good course for those who like art but do not want to draw in the traditional manner.

Prereq. - None; Grade Levels - 10, 11, 12

Visual Art II (Folk Art II) – (1 unit) – This course is a continuation of Traditional Folk Art. New and expanded projects in fibers, paper and glass will be explored. Basic design concepts, vocabulary, history and craftsmanship will be covered. This course offers more fun in a non-traditional art field.

Prereq. – Folk Art I with a “B” or better; Grade Levels – 10, 11, 12

Visual Art II (Drawing) - (1 unit) - Drawing is the in-depth study of composition and drawing techniques using a variety of mediums. Figure study, portraiture, fantasy, along with traditional still-life and landscape studies will be covered. A good class for students building a portfolio for college or career opportunities.

Prereq. - Visual Art I (B or better); Grade Levels - 10, 11, 12

Visual Art II (Ceramics) - (1 unit) - An introduction to both hand-building techniques and basic wheel techniques in clay.

Vocabulary, exposure to ceramic trends, glazing techniques, and individual creativity and craftsmanship stressed.

Prereq. - None; Grade Levels - 10, 11, 12

Visual Art II (Sculpture) - (1 unit) - Students will have the opportunity to work in a variety of three-dimensional shapes and forms. A wide range of materials will be used.

Prereq. - None; Grade Levels - 10, 11, 12

Visual Art III (Painting) - (1 unit) - This course provides students the opportunity to work in both watercolor and acrylic mediums.

Vocabulary and history will be covered.

Prereq. - Visual Art I, Drawing (B or better); Grade Levels - 10, 11, 12

Visual Art III (Photography I) - (1 unit) – Photography I is an introductory course in black and white processing. The course will cover basic photography techniques and darkroom procedures. **Students must have a 35mm camera for class assignments.** (A variety of inexpensive 35 mm cameras are available for purchase at Wal-Mart, as well as many other local businesses.)

Prereq. - None; Grade Levels - 11, 12 (It is recommended that students have a driver’s license when taking this course.)

Visual Art IV (Advanced Ceramics) – (1 unit) – Advanced Ceramics continues the study of ceramics. Emphasis on larger pieces and or wheelwork.

Prereq. – Ceramics I (B or better); Grade Levels – 11, 12

Visual Art IV (Photography II) – (1 unit) – Photography II is an advanced course that offers students a more in-depth study/practice of the technical and artistic aspects involved in film and digital photography. This course will also explore a variety of careers in photography. Students should have a 35 mm camera with a manual setting to use in this course.

Prereq. – Photography I (“A” or teacher approval); Grade Levels – 11, 12 (Seniors will be given first preference.)

Visual Art IV (Advanced Art) - (1 unit) - Advanced Art offers more difficult studio projects in a variety of mediums, such as fabrics, drawing, painting, sculpting, plus a unit of independent studies. Emphasis will be placed on compiling a portfolio for college and career opportunities.

Prereq. - Visual Art I plus two Art production courses other than photography (B or better in all courses); Grade Levels - 11, 12

Visual Art IV (Adv. Studio Art) – (1 unit) – This course is a continuation of individual directed study in one field of art. For the serious art student pursuing an art career.

Prereq. – Advanced Art, Teacher recommendation; Grade Levels - 12

## DEPARTMENT OF BUSINESS EDUCATION

The Business Education curriculum is designed to allow students to develop competency in business occupations and to shape students into well-informed consumers and members of the economic community. The dual mission of Business Education is to provide students with employability skills such as teamwork, problem solving, decision-making, time and money budgeting, communication and technical skills; and to equip students with the knowledge to make wise personal and business decisions. The Department has expanded its technology program to include various computer courses so that students will have the necessary technology skills to compete in the work force and to interact comfortably with the ever-changing world of technology.

Accounting I - (1 unit) - This course provides an introduction to the field of accounting. The principles of debit and credit, the accounting cycle, the interpreting and recording of business transactions, and the preparation of business reports for businesses are studied. Students will have the opportunity to work through an entire accounting cycle for a business. Automated accounting practices are used to emphasize and review the basic accounting principles. The reasoning, organization, and decision-making skills taught make Accounting I a good course for any student planning a professional or business career.

Prereq. - None (A good understanding of basic math skills is recommended); Grade Levels - 10, 11, 12

Principles of Business - (1 unit) - This course is designed for students interested in acquiring introductory business and financial information for personal use or as an initial course for students planning a career in business. Students will develop decision-making skills that will help them determine career paths, manage resources, and analyze financial statements. Some of the topics covered will be career exploration, the economy and business, consumer rights and responsibilities, marketing, insurance and investments, and financial management.

Prereq. - None; Grade Levels - 9, 10

Computer Literacy - (1 unit) - This course is an introductory level course covering applications, troubleshooting, and social and ethical implications in computing. The course will also cover computer basics such as the evolution of the computer industry, computer components and proper use, various software packages, and logic and problem solving. Microsoft Office programs (Word, Excel, Access, Publisher and PowerPoint), Windows and Internet browsers are used.

Prereq. – Keyboarding; Grade Levels - 10, 11, 12

Keyboarding - (1/2 unit) - This course emphasizes learning the keyboard by the touch method using Microsoft WORD and supplemental programs. The use of proper techniques is emphasized to help students become more efficient and effective using the computer to format documents, increase speed and accuracy, and reduce body stress. Required for all freshmen.

Prereq. - None; Grade Level - 9

Interactive Multimedia Presentations I – (1 unit) – Students participating in IMMP will be responsible for the design and production of the daily GHS News broadcast. In addition, students will learn digital video and audio editing techniques and apply these skills in real world exercises that include the production of interviews, news stories, commercial production, and music videos.

Prereq. – Keyboarding; Personal Computing; and teacher approval required; Grade Levels – 10, 11, 12

Interactive Multimedia Presentations II – (1 unit) – IMMP II is a continuation of IMMP I. Students must have completed IMMP I with a grade of “B” or better.

Prereq. – IMMP I; Grade Levels – 11, 12

Financial Planning – (1 unit) – This is a basic financial literacy course designed to help students learn to make sound decisions related to managing their money. The course will include skills related to career decisions, credit management, insurance, investments, banking, and lifelong financial management. Financial Planning is designed to improve students’ personal money-management skills.

Prereq. – Good understanding of basic math skills is recommended; Grade Levels – 11, 12

Computer Applications – (1 unit) – This course is a good alternative for students who want to concentrate on developing and/or improving their skills using various software programs. The business department is currently using Microsoft Office programs such as WORD, EXCEL, ACCESS, POWERPOINT, and PUBLISHER, to help students develop skills that will be immediately beneficial in the classroom, college, and/or the work environment. If this is your goal, you might want to consider this course instead of Computer Literacy.

Prereq. – Keyboarding; Grade Levels – 10, 11, 12

## DEPARTMENT OF CAREER MANAGEMENT SUCCESS

Career Management Success – (1/2 unit) – *Career Management Success* is a core course for career clusters. The course provides students with tools for achieving success in their academic, work, and personal lives. Course content emphasizes the basic skills and knowledge needed for employment success, as identified by industry and supported by relevant national standards. All course content is presented in a real-world context, providing concrete opportunities for developing personal and career goals, effective communication skills, teamwork abilities, and successful work attitudes. Upon completion of the course, students will be able to complete *Professional Development Program Level I and Level II of Skills USA-VICA* or other degree programs in other career and technical youth organizations.

Prereq. – None; Grade Level – 9

## DEPARTMENT OF FAMILY & CONSUMER SCIENCES EDUCATION (Homemaking Education)

Family and Consumer Sciences - (1 unit) - This course is a comprehensive foundation course designed to assist students in developing the core knowledge and skills needed to manage their lives. Emphasis is on leadership, human development, family and parenting education, consumer economics and resource management, housing and living environments, nutrition and foods, textiles and apparel, and career preparation. Critical skills in decision-making, problem solving, critical thinking, technology, work and family management, and workplace readiness are reinforced through authentic experiences. The course allows students to select specific areas for future concentrated study. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement.

Prereq. - None; Grade Levels - 9, 10 (recommended)

Adult Living - (1 unit) - This course is designed to empower students to take action for the well being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions. Focusing on the young adult, content includes skills and knowledge to enable students to maintain an optimum living environment by making responsible young adult decisions. Students will learn to plan and set goals for a career, manage multiple roles, maintain respectful and caring relationships with improved communication skills, understand the responsibilities of parenting, cope with stress and crises situations, provide for health and well being, and function as informed consumers. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement.

Prereq. - None; Grade Levels - 11, 12

Nutrition and Food I - (1 unit) - This course is a specialized course with emphasis on helping students understand the significance of food, principles of nutrition, and the relationship of nutrition to health and well-being. The course offers the students opportunities to develop skills in the selection, preparation, storing and serving of food, meal management to meet individual and family nutrition needs across the life span, and optimal use of food resources. Careers and occupations in nutrition and food industries will be explored. Participation in a career connection experience is encouraged. The integration of Family, Career, and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement.

Prereq. - None; Grade Levels - 11, 12

Housing and Interior Design - (1 unit) - This course is a specialized course designed to prepare students to understand the influences affecting housing decisions. The course includes instruction in the social/psychological aspects of housing, the consumer aspects, housing trends and issues, the application of design principles to the living environment, home furnishings and equipment, home care and maintenance, and exploration in related occupations/careers. Emphasis is on using available resources effectively to meet individual and housing needs. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with the opportunity for leadership development, personal growth, and school/community involvement.

Prereq. - None; Grade Levels - 11, 12

Child Development - (1 unit) - This course is a specialized course that prepares students to understand the physical, social, emotional, and intellectual growth and development of children. This course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver. Emphasis is on helping students create an environment for children that will promote optimum development. Experiences such as laboratory observations, job shadowing, or laboratory participation may be included if opportunities are available. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement..

Prereq. - None; Grade Levels - 10, 11, 12

Interpersonal Communications – (1 unit) – This course is a specialized course designed to focus on communications within the areas of personal life, family life, community, and workplace. The role of communication in establishing and maintaining healthy interpersonal relationships is emphasized. Communication skills and core skills in decision making, problem solving, critical and creative thinking, technology, and workplace readiness practiced in this course will empower students to function effectively as a member of a rapidly changing global community. Students will apply skills learned when participating in integrated service learning experiences. This involvement in the community will help students network with adults and establish themselves as valuable resources and community assets. The integration of Family, Career and Community Leaders of America (FCCLA) provides students with opportunities for leadership development, personal growth, and school/community involvement.

Prereq. – None; Grade Levels – 10, 11, 12

Family and Parenting Education – (1 unit) – This is a specialized course that emphasizes the significance of the family as a basic unit of society and its impact on the well-being of individuals and society. The major focus of the course is preparation for marriage, parenthood, and the responsibilities for successful management of family life. The integration of Family, Career and Community Leaders of America (FCCLA) provides student opportunities for leadership development, personal growth, and school/community involvement.

Prereq. – None; Grade Levels – 10, 11, 12

Career Connections – (1 unit) – This course is designed to provide students with an understanding of how to plan for and manage careers in a continuously changing workplace. Students will learn the importance of exploring multiple career paths and building on the inter-relatedness between occupations when applying career development strategies throughout the life span. With the recognized relationship between family functioning and work productivity, the family/work connection is emphasized in the content of this course. Instruction will include strategies for engaging in life-long learning, addressing the continuous process of learning new skills, adapting decision-making and problem-solving skills to changing conditions, managing work and family responsibilities, and working with diverse populations. This course will encompass an individual's total lifestyle—education, occupation, social responsibility, and leisure. Involvement in service learning through a related vocational student organization will help students learn about workplace roles, understand employers' expectations, develop realistic ideas about careers, network with adults and establish themselves as valuable resources and community assets.

Prereq. – Interpersonal Communications or Career Management Success; Grade Levels – 11, 12

Consumer Economics – (1 unit) – This is a specialized course designed to prepare students to understand the United States economic system and how it affects individuals as consumers, producers, and citizens. Students will integrate knowledge, skills, and practices required for management of resources in a technologically expanding global economy. Consumer practices and responsibilities are investigated and skills in planning for financial security are included in the content. Core skills in decision making, problem solving, critical thinking, goal setting, management of multiple roles, and using technology are integrated into course content. The integration of Family, Career and Community Leaders of America (FCCLA) provides students opportunities for leadership development, personal growth, and school/community involvement.

Prereq. – None; Grade Levels – 10, 11, 12; Course Substitution: Economics

## DEPARTMENT OF ENGLISH

Gateway English – (1 unit elective credit) – Intervention class for students who do not pass the English II Gateway exam. It is strongly recommended that students take this class before retaking the Gateway Exam the next term.

Prereq. - None; Grade Levels – 9, 10

English I - (1 unit) - This course is designed to provide a foundation in vocabulary, literature, and grammar/composition. Students will be introduced to various types of writing including the four basic types of essays. The literature study will include short stories, dramas, a novel, poetry and/or non-fiction. Emphasis will be placed on important story elements and literary forms and techniques. Students may be required to read at least two books as out-of-class assignments.

Prereq. - None; Grade Levels – 9, 10, 11, 12

Honors English I – (1 unit) – This course encompasses the same criteria as listed for English I above, but the course will be taught on an accelerated level. There will be a required reading list for students to complete prior to August (beginning of school). This list will be given to students who request this course at registration, and it will also be posted on the website. There will be class assignments associated with the Honors English I Reading List. Students should complete the summer reading requirements before school begins in August. *See Summer Reading List.*

Prereq. – None; Grade Levels – 9

English II - (1 unit) - This course offers more work in vocabulary, literature, and grammar/composition. There is emphasis on improving students' writing skills through grammar study, practice with the four basic types of writing, and various writing opportunities, both expressive and expository. The literary study is organized according to genre (short story, drama, the novel, poetry, and non-fiction), and the selections are multi-ethnic/cultural. There are also at least two out-of-class readings assigned.

Prereq. - English I; Grade Levels - 10, 11, 12

Honors English II – (1 unit) – This course encompasses the same criteria as listed for English II above, but the course will be taught on an accelerated level. There will be a required reading list for students to complete prior to August (beginning of school). This list will be given to students who request this course at registration, and it will also be posted on the website. There will be class assignments associated with the Honors English II Reading List. Students should complete the summer reading requirements before school begins in August. *See Summer Reading List.*

Prereq. – English I; Grade Levels – 10

English III - (1 unit) - This course includes instruction and practice in composition and literature. During the examination of the writing process, students study and use grammar skills in conjunction with composition. The composition program stresses the mastery of the four types of discourse while also providing practice with various forms of writing. A research unit includes library and research skills culminating in the production of a research paper. The literature study involves the chronological survey of American literature. Supplemental readings include novels by American writers. A vocabulary study completes the course.

Prereq. - English I, II; Grade Levels - 11, 12

Honors English III - (1 unit) - This course, designed for students who have well above-average reading and writing abilities, offers intensive study in writing and literature. Composition and needed grammar study enhance students' communication skills. Composition focuses on critical analyses and various types of expository, persuasive, and creative writing. A research unit in which students produce a research paper is also included in this course. Vocabulary study is also a part of this course. The literature study is based on a chronological survey of American literature and is supplemented by out-of-class reading of American novels. There will be class assignments associated with the Honors English III Reading List. Students should complete the summer reading requirements before school begins in August. *See Summer Reading List.*

Prereq. – English I, II; Grade Levels - 11

English IV - (1 unit) - This course includes continued refinement of writing skills, development of literary analysis skills, and application of research skills. Writing opportunities are included throughout the course, and students are required to complete analytical and research projects. The literary study is a chronological survey of the literature of Great Britain. A minimum of at least two books may be required as out-of-class readings. Continuous vocabulary study is also emphasized.

Prereq. - English I, II, III; Grade Levels - 12

Applied Communications English IV - (1 unit) – For students who plan to enter the job market immediately after high school or pursue advanced education, this course provides the opportunity to receive critical communication and English skills that will serve as a foundation for effective communication in today’s world. The activity-oriented approach was designed to appeal to a variety of learning styles, especially students who are motivated by hands-on instruction. Students not only talk about the use of good English and communication skills, but they also learn and practice them in conversations and meetings and through memos, letters, reports, graphs, speakers and tours of local businesses and industries. Specifically, this course will help students transfer reading, writing, listening, speaking, information processing, problem solving, and nonverbal skills to their occupations and personal lives.

Prereq. - English I, II, III; Grade Levels - 12

Advanced Placement English IV - (1 unit) - This course is for students who want a demanding college-preparatory course and/or who intend to take the Advanced Placement Examination in English Literature and Composition at the end of the senior year. AP English IV focuses on world and British literature, literary analysis, and expository writing. Students write expressively on a variety of literary sources with intensive writing exercises to prepare for the AP exam. Study includes a chronological survey from the Anglo-Saxon period to the present. There will be group presentations, individual research projects, and outside readings. Students should complete the summer reading requirements before school begins in August.

Prereq. - English I, II, & English III; Grade Levels - 12

Great Books - (1 unit) - This course uses the methods of shared inquiry discussion and interpretive activities to study examples of great writing that are often not included in any other high school course. By using written and oral interpretation along with discussion, students employ higher order thinking skills to examine selections that will prepare them to be more culturally literate and widely read as they enter college. The course is based the methods of the Great Books Foundation and the texts created by that Foundation.

Prereq. - None; Grade Levels - 11, 12

ACT/SAT Prep - (1 unit) - This course will prepare students for taking the ACT and SAT. Students will review each test area, take practice tests, explore learning styles, and study test-taking skills. The course will deal with specific skills tested on college entrance exams. Students will use computer software for practice tests and test-question evaluations. Students should plan to take this course either as preparation prior to taking the ACT or SAT or as remediation after taking the ACT or SAT for the first time.

Prereq. - None; Grade Levels - 11, 12

Journalism - Yearbook - (1 unit per term) – This course combines the study of business, computer applications, English and design to produce the *Auctioneer*. Students will also work in advertising, sales, and photography. Students must be able to work independently and meet deadlines as well as take constructive criticism. Occasionally students are required to work before, during and after school to meet deadlines. Yearbook is an elective credit. Students must enroll for both fall and spring terms (all year).

Prereq. - **Students are selected by application only. Enrollment is limited. Students must pick up an application from the yearbook adviser.**

Grade Levels – 10, 11, 12

Journalism I - Newspaper - (1 unit) - Journalism I is a course designed to teach students the fundamentals of print journalism. The students in this class will produce two-three issues of the school newspaper, The Greene and White. In addition to perfecting writing skills, students will learn word processing, desktop publishing, layout and design, advertising principles, money management, and print photography. Requirements include two evening paste-up sessions per issue.

Prereq. - **Students are selected by application only.** Enrollment is open to juniors and seniors. Class size is limited. Sophomores will only be considered if there is space available. **Students must pickup an application from the teacher.**

Grade Levels - 11, 12 (10 by permission)

Journalism II - Newspaper - (1 unit) - Journalism II enables students to build upon that which they have learned in Journalism I. Students are expected to serve in leadership roles as editors of the school newspaper. Writing activities include in-depth reporting and advanced editing. Students also learn to use Quark Express publishing software, a scanner, and a digital camera. Because these students are expected to work closely with first-year staff members, evening paste-up time is required.

Prereq. - Successful completion of Journalism I and *approval from the journalism instructor*; Grade Levels - 11, 12

Speech - (1 unit) - This course includes instruction in written composition of speeches and the elements of effective oral communication. Students survey the art and technique of public speaking.

Prereq. - English I & II; Grade Levels - 11, 12

## DEPARTMENT OF FOREIGN LANGUAGE

French I - (1 unit) - French I stresses a basic understanding of the language through conversational patterns, vocabulary, reading, writing skills, and pronunciation. Instruction is given in French as much as possible with aide from films, filmstrips, and tapes. The student studies French culture through various appropriate class activities and experiences. Students use a workbook which they may purchase.

Prereq. - English skills at grade level; Grade Levels - 9, 10, 11, 12

French II - (1 unit) - French II develops reading, writing, and comprehension skills through an analysis of French grammar. Speaking skills are maintained through practice extended from French I skills. Cultural study is maintained through various materials and resources initiated in French I. Students use a workbook which they may purchase to facilitate usage.

Prereq. - French I; Grade Levels - 10, 11, 12

French III - (1 unit) - French III presents an in-depth review and study of grammar skills developed in levels I and II. French history and literary selections are used to help the continued study of cultural understanding and the oral and written comprehension and usage by the individual student. Students prepare and practice conversational skills to strive for functional language experience. Students are encouraged to comprehend and to use French. The workbook from French II is completed. An introduction to French literature is included. Emphasis is on communication through the use of the language.

Prereq. - French I and II; Grade Levels - 10, 11, 12

French IV - (1 unit) - French IV encompasses all language skills: writing, reading, speaking, and listening in French. Study includes readings from French literature, individual and group participation in French, research in French art, music, poetry, philosophy, politics, and scientific contributions. Study is enhanced with tapes, films, and filmstrips. Students are encouraged to develop a proficiency level to ensure collegiate study, travel, and/or future career success. Emphasis is on communication through the use of the language.

Prereq. - French I, II, and III; Grade Levels - 12

French V - (1 unit) - French V continues the French IV curriculum in that it provides study and practice to develop communication skills and cultural awareness as outlined by the state curriculum. The student will continue the study of grammatical forms and structures through oral and written communications, exercises, and practice of conversational skills. An in-depth study of cultural awareness includes the professions, transportation, sports, animals, current events, personal experiences, customs, travel, the family, and daily activities of young people. In this aspect, students master difficult grammatical constructions best when they personalize what they are learning.

French V presents authentic literary passages as found in the textbooks. Poetry, essays, short stories, and selections from plays and novels are studied. Cultural contributions include study of works by famous authors and artists, scientific contributions, and composers. French V materials include textbooks, videos, tapes, current affairs media, and interaction with other French-speaking students on the Internet.

Prereq. - French I, II, III, IV; Grade Levels - 12

Latin I - (1 unit) - A student receives an introduction to the Roman World through culture, language, and geography. The Romans' daily life emphasizes the house, food, clothing, etc. A student also studies the Romans' influence on modern life, including Latin phrases and English derivatives. Each student needs to have an extensive knowledge of English grammar. Oral and aural practice is stressed with continuous drill and vocabulary. A student will study Greek and Roman mythology through translations.

Prereq. - English skills on grade level; Grade Levels - 9, 10, 11, 12

Latin II - (1 unit) - Latin II continues the study of the Roman and Greek culture and history, Latin grammar, vocabulary, and English derivatives. Oral and aural practice is stressed with reading of the Latin sources.

Prereq. - completion of Latin I with C average or higher; Grade Levels - 9, 10, 11, 12

Latin III/IV (Prose) - (1 unit) - Students will read from the writings of Julius Caesar, M. Tullius Cicero, and Pliny the Younger et al. Grammar from previous years is reviewed, and other points of grammar are studied. Roman law, religion, government, army, and the city of Rome are studied. Memorization of famous Latin passages is required. Julio-Claudian family and history is studied through I. Claudius.

Prereq. - Latin I & II with a C or higher average; Grade Levels - 10, 11, 12

Latin III/IV (Poetry) - (1 unit) - Each student will read Vergil's Aeneid, books 1, 2, 3, 4, 6 in original poetry form. Emphasis is given to figurative language in English and Latin. Major projects will be conducted by students in connection with translations. Grammar and vocabulary reviews are constantly used. Students study the Golden Age of Rome (29 B.C. - 14 A.D.) with major emphasis on Caesar Augustus' political propaganda through art, architecture, and literature.

Prereq. - Latin I & II with a C or higher average; Grade Levels - 10, 11, 12

**Spanish I** - (1 unit) - Spanish I emphasizes communication through speaking, listening, writing, and reading. Everyday conversation and basic grammar are stressed. Students begin paired conversation and oral presentations. Comprehension is facilitated through the use of videos and audio tapes. From the beginning, instruction is given in Spanish as much as possible. An introduction to Hispanic culture is included. Students are expected to use a workbook which is provided.

Prereq. - English skills on grade level; Grade Levels - 9, 10, 11, 12

**Spanish II** - (1 unit) - Spanish II provides continued instruction in speaking, listening, reading, and writing. Many more grammatical concepts are presented. Communication is enhanced through paired conversation and oral presentations. Conversational skills are emphasized. Instruction is given in Spanish as much as possible. The exploration of Hispanic culture is continued. Students are expected to use a workbook which is provided.

Prereq. - Spanish I; Grade Levels - 9, 10, 11, 12

**Spanish III** - (1 unit) - Spanish III continues to emphasize oral language through class conversation and audio and videotapes. The basic skills of understanding, speaking, reading and writing are strengthened and refined. More complex grammar is studied. Classes are conducted almost entirely in Spanish. Students begin to read short selections from Spanish and Latin American literary works. Cultural lessons are presented on the literature, art, music, geography, and history of Spain and Latin America. Students use a workbook which is provided.

Prereq. - Spanish I & II; Grade Levels - 10, 11, 12

**Spanish IV** - (1 unit) - Spanish IV expands speaking, listening, writing and reading techniques through classes conducted almost entirely in Spanish. The culture of Spanish-speaking peoples is emphasized. More complex grammar is studied. Students continue to read selections from Spanish and Latin American literary works. Written assignments are developed from the study of literary works, regalia, movies, and video and audiotapes.

Prereq. - Spanish I, II, and III; Grade Levels - 10, 11, 12

## **DEPARTMENT OF MATHEMATICS**

Possible math course sequences for grade 9 and grades 10, 11 & 12 students: **(ALL STUDENTS MUST EARN THREE (3) CREDITS IN MATHEMATICS INCLUDING A CREDIT IN ALGEBRA I OR ALGEBRA A and ALGEBRA B OR APPLIED MATH AND APPLIED ALGEBRA TO MEET GRADUATION REQUIREMENTS). Acc. Algebra II is NOT available to freshmen before the spring of their freshmen year.**

### **GRADE 9 MATH SEQUENCES\***

8<sup>th</sup> Hon. Alg. I – Hon. Alg. II – Hon. Unified Geometry – Hon. Adv. Alg. & Trig. – Hon. Pre-Calc. – AP AB Calculus and/or Statistics – AP BC Calculus

**OR**

8<sup>th</sup> Alg. I – Hon. Alg. I – Hon. Alg. II – Hon. Unified Geometry – Hon. Adv. Alg. & Trig. – Hon. Pre-Calc. – Calculus – AP AB Calculus and/or Statistics

**OR**

8<sup>th</sup> Alg.I, - Alg.A, - Alg.B, - Alg.C, - Unified Geometry - Adv.Alg. & Trig. - Pre-Calc. - Calculus

**OR**

8th Grade Math - Alg.A - Alg.B - Alg.C - Unified Geometry - Adv. Alg. & Trig. - Pre -Calculus and/or Statistics

**OR**

8th Alg.I or Hon.Alg.I - Alg.B - Alg.C - Unified Geometry - Adv. Alg. & Trig. - Pre-Cal. - Calculus and/or Statistics

**OR**

8th Grade Math - Alg.A - Alg.B - Alg.C - Unified Geometry

**OR**

8<sup>th</sup> Grade Math – Found. II – Applied Math – Applied Alg. – Applied Geometry

**OR**

8<sup>th</sup> Grade Math – Found. II – Alg.A – Alg.B – Applied Geometry

**OR** 8<sup>th</sup> Grade Alg. A – Alg. B – Alg. C – Geometry – Adv. Alg. & Trig – Pre-Calculus – Calculus

**OR** 8<sup>th</sup> Grade Alg. A – Honors Alg. I – Honors Alg. II – Honors Geometry – Hon. Adv. Alg. & Trig – Hon Pre-Calculus

**OR** 8<sup>th</sup> Grade Alg. A – Alg. B – Alg. C – Geometry – Adv. Alg. & Trig – Pre-Calculus – Calculus – AP Calculus

## GRADE 10, 11 AND 12 MATH SEQUENCES\*

8th Hon.Alg.I – Hon.Alg.II – Hon.Unified Geometry – Hon.Adv.Alg.& Trig. – Hon.Pre-Calc. – AP Calculus and/or Statistics

OR

8th Algebra I – Hon.Alg.I – Hon.Alg.II – Hon.Unified Geometry. – Hon.Adv. Alg. & Trig. – Hon.Pre-Calculus - AP Calculus and/or Statistics

OR

8<sup>th</sup> Alg.I, - Alg.A, - Alg.B, - Alg.C, - Unified Geometry - Adv.Alg. & Trig. - Pre-Calc. - Calculus

OR

8th Grade Math - Alg.A - Alg.B - Alg.C - Unified Geometry - Adv. Alg. & Trig. - Pre -Calculus and/or Statistics

OR

8th Alg.I or Acc. Alg.I - Alg.B - Alg.C - Unified Geometry - Adv. Alg. & Trig. - Pre-Cal. - Calculus and/or Statistics

OR

8th Grade Math - Alg.A - Alg.B - Alg.C - Unified Geometry

OR

Foundations II – Applied Math – Applied Alg.

OR

8<sup>th</sup> Grade Math - Foundations II - Alg.A - Alg.B – Alg.C

\*All 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> graders must pass Algebra I Gateway exam to graduate. If the student does not pass the Algebra I Gateway exam, they can take Gateway Algebra (elective credit) for preparation for the next Gateway exam. The Gateway Algebra I exam is given at the end of Hon.Alg. I, Alg.B, Tech. Alg.

## MATHEMATICS COURSE DESCRIPTIONS

Foundations II - (1 unit) - This course is designed to prepare students to enter the Algebra A course. The emphasis will be on the study of sets, subsets, problem solving, number patterns, measurements, and algebraic expressions and graphs.

Grade Levels - 9, 10, 11, 12

Applied Math – (1 unit) – Applied Math is a competency-based occupational related modular course that helps students develop and redefine math skills. The course focuses on arithmetic operations, problem solving, estimating answers, developing measurement skills, introductory geometry, data handling, simple statistics, trigonometry and algebraic formulas.

Grade Levels – 10, 11, 12

Applied Algebra - (1 unit) – Applied Algebra is a continuation of Applied Math. Completion of both Applied Math and Applied Algebra is equivalent to completion of content in Algebra I.

Prereq. – Technical Math; Grade Levels - 10, 11, 12

Applied Geometry - (1 unit) – This course is designed for students in the technical path. It focuses on applied geometry concepts.

Prereq. – Applied Math and Applied Algebra or Alg. A and Alg. B; Grade Levels – 10, 11, 12

Gateway Algebra – (1 unit elective credit) – This class is offered as an intervention for students who do not pass the Algebra Gateway exam that is taken after Algebra B. Gateway Algebra, Applied Math or Applied Algebra is strongly recommended for students who have to retake the Algebra Gateway.

Prereq. – None; Grade Levels – 9, 10

Algebra A - (1 unit) - This is the normal entry-level course for all college-bound ninth graders. This course covers two-thirds of the Algebra I content material of the state math framework. It includes properties of operations, variables, solving equations, polynomials, graphing, linear equations, rational and irrational numbers, and the quadratic formula. Algebra A/Algebra B/Algebra C should be taken in three sequential terms.

Grade Levels - 9, 10, 11, 12

Algebra B - (1 unit) - This course covers the last one-third of Algebra I content and the first one-third of Algebra II content. Algebra A/Algebra B/Algebra C should be taken in three sequential terms.

Prereq. - Algebra A; Grade Levels - 10, 11, 12

Algebra C - (1 unit) - This course covers the last two-thirds of Algebra II content. It includes real numbers, equations and inequalities, functions and graphing, systems of equations, polynomials, rational expressions, radicals, quadratic functions and complex numbers, conics, polynomial functions, exponential and logarithmic functions, sequences and series, probability and matrices. Algebra A/Algebra B/Algebra C should be taken in three sequential terms.

Prereq. - Algebra A & Algebra B; Grade Levels - 10, 11, 12

Honors Algebra I - (1 unit) - This course is an Algebra I course intended for college-bound students who have an exceptionally high aptitude for mathematics. This course covers properties of operations, variables, solving equations, polynomials, graphing, linear equations, rational and irrational numbers, and the quadratic formula.

Prereq. - Pass TCAP Competency Test (math portion); Grade Levels – 9

Honors Algebra II - (1 unit) - Accelerated Algebra II covers real numbers, equations and inequalities, functions and graphing, systems of equations, polynomials, rational expressions, radicals, quadratic functions and complex numbers, conics, polynomial functions, exponential and logarithmic functions, sequences and series, probability and matrices.

Prereq. – Hon.Algebra I; Grade Levels – 9

Statistics - (1 unit) - This course is designed to give students an introduction to the math needed in the fields of business, psychology, education, science, engineering, etc. The main scope of the class is learning how data is collected, interpreted and used in all walks of life. The study of research data, the making of graphs and how to present this data to the public is a major part of the study.

Prereq. - Algebra I & Algebra II (or equivalent), Unified Geometry; Grade Levels - 11, 12

Unified Geometry - (1 unit) - This course covers the study of two and three dimensional figures and concepts. Emphasis is placed on definitions, postulates, theorems, and deductive proofs as related to points, lines and planes.

Prereq. - Algebra A, Algebra B, Algebra C, or equivalent; Grade Levels – 10, 11, 12

Honors Unified Geometry - (1 unit) - This course is an honors course in geometry. It covers the study of two- and three- dimensional concepts and figures. Emphasis is placed on definitions, postulates, theorems, and the deductive proof as related to points, lines, and planes.

Prereq. – Hon.Algebra I and II; Grade Levels - 10, 11, 12

Pre-Calculus - (1 unit) - This course is to prepare college-bound students for a first course in Calculus or College Algebra and Trigonometry. Algebra and analytic geometry are integrated with other important topics in mathematics by an approach, which emphasizes functions. Separate topics include polynomial, circular, second-degree relations, transcendental functions, and introduction to limits. Pre-calculus concepts of limits, derivatives and integrals are considered from an elementary viewpoint.

Prereq. - Alg. A & Alg. B & Alg. C, Unified Geometry, and Adv. Alg. & Trig.; Grade Levels - 10, 11, 12

Advanced Algebra & Trigonometry - (1 unit) - This course prepares college-bound students for a first course in Calculus or College Algebra and Trigonometry. Advanced Algebra & Trig. is used to solve problems involving periodic behavior and circular functions. Knowledge of Law of Sines, Law of Cosines and trigonometric identities is essential for the study of Calculus and technical fields such as physics and electronics. Series, sequences, and matrices will be studied.

Prereq. - Alg. A & Alg. B & Alg. C (or equivalent), Unified Geo.; Grade Levels - 10, 11, 12

Calculus - (1 unit) - This senior math course will explore concepts of calculus including limits, differentiation, and integration. This course does not prepare students for AP testing.

Prereq.- Alg. A & Alg. B & Alg. C (or equivalent), Unif. Geo., Pre/Cal., Adv. Alg. & Trig.; Grade Levels - 11, 12

Honors Advanced Algebra & Trigonometry - (1 unit) - This course is taught for college-bound students who plan to take AP Calculus as a senior. It covers all trigonometric concepts included in the study of right and non-right triangles. Honors Trigonometry/Honors Pre-Calculus/AP Calculus should be taken in three sequential terms.

Prereq. – Hon.Algebra I and II, Hon.Unified Geometry; Grade Levels - 10, 11, 12

Honors Pre-Calculus - (1 unit) - This course is taught for college-bound students who are planning to take AP Calculus as a senior. Algebra and analytic geometry are integrated with other important topics in mathematics by an approach, which emphasizes functions. Topics include polynomial, circular, and transcendental functions. Pre-Calculus concepts of limits, derivatives, integrals and sequences are considered. Honors Trigonometry/Honors Pre-Calculus/AP Calculus should be taken in three sequential terms.

Prereq. – Hon.Alg. I and II, Hon.Unified Geo., Hon.Adv. Alg. & Trig.; Grade Levels - 10, 11, 12

Advanced Placement AB Calculus - (1 unit) - [May be combined with Calculus above - Students explore concepts of calculus in curved space, variable rates of speed, irregular paths, and areas of regions with curved boundaries. Extensive study of derivatives, integrals, limits and sequences including formulas and proofs are also covered. All Advanced Placement AB Calculus objectives are included. Honors Trigonometry/Honors Pre-Calculus/AP AB Calculus should be taken in three sequential terms.

Prereq. – Hon.Alg. I & II, Hon.Unified Geo., Hon.Trig., Hon.Pre-Cal.; Grade Levels - 11, 12

Advanced Placement BC Calculus – (1 unit) – Extensive study of all AP Calculus AB concepts plus additional topics. Both courses represent college-level courses. The content of AP Calculus BC is designed to qualify the students for placement and credit that is one course beyond that granted for AP Calculus AB.

Prereq. – Hon.Alg. I & II; Honors Unified Geo., Honors Trig., Honors Pre-Cal, AP AB Calculus; Grade Levels – 11, 12

ACT/SAT Prep - (1 unit) - This course will prepare students for the ACT and SAT tests. Students will review each test area, take practice tests, explore learning styles, and study test-taking skills. The course will deal with specific skills tested on college entrance exams. Students will use computer software for practice tests and test-question evaluations. Students should plan to take this course wither as preparation prior to taking the ACT or SAT or as a remediation after taking the ACT or SAT for the first time.

Prereq. - None; Grade Levels - 11, 12

## DEPARTMENT OF MUSIC - INSTRUMENTAL

Instrumental Music (Band) - (1 unit of credit per term—2 units of credit for full year) - Band is considered a full-year course. During the fall term, the band is a marching band until the end of football season. The marching band performs at all Varsity football games (home and away) and competes on occasional Saturday afternoons at festivals. Students who are unable to go to band camp are used as alternates during marching season. At the conclusion of marching season, the band becomes a concert band that performs concerts and competes in festivals. Incoming members must demonstrate minimum performance skills, which are taught at the middle school level, in order to be admitted as regular band members. Fall term band earns one unit of credit.

During the spring term, the concert band will be divided into two bands, each meeting during different periods. Students will be placed in one of the two bands based upon an audition. Auditions will be completed in time that students' schedules can be arranged prior to the beginning of spring term. Freshmen will automatically be placed in concert band. Students will earn one unit of credit for spring term.

Band is a full-year course. If a student drops out at the end of a term, he/she is not guaranteed readmission to the band. Irreconcilable schedule conflict is the only acceptable reason to drop band for which re-admission is guaranteed.

The flag corps for the marching band is made up of both playing and non-playing members who audition in the spring of the preceding year. Non-playing members should sign up for band first term only, and they will receive one unit of credit. Playing members should sign up for both terms of band. They will receive one unit of credit for each term.

Students who wish to be drum major must be playing members of the band. In addition, they must be at least sophomores and have at least one year of prior membership in the Greeneville High School marching band.

In order to be eligible to participate in trips and other band-related activities (i.e., senior clinics, \_\_\_\_\_, etc.) taken by the band, a student must be enrolled in band for the whole term that the trip is taken.

Prereq. - Demonstrate minimum performance skills (taught at middle school level); Grade Levels - 9, 10, 11, 12

Instrumental Band (Jazz Band) - (0 credit/No grade awarded) - Jazz Band meets after school one day per week. The band plays jazz and popular music and performs periodically in schools, for the community, and in at least one public concert each year. Students must have the approval of the band director before they register for this class. Students must also be enrolled in a regular bank class during the term they are participating. Exceptions to this will be based on the need of the ensemble.

Prereq. - Approval of band director; Grade Levels - 9, 10, 11, 12

## DEPARTMENT OF MUSIC - VOCAL

\*Vocal Music I - (1 unit of credit per term) - This course is open to any student who wishes to participate in a choral performance organization. Students must master musical fundamentals and attain a beginning level of sight-reading and part independence. They must participate in all performances of the chorus and obtain a uniform. All entering ninth grade students interested in choral music should register for Vocal Music I. This course fulfills the requirement for a performing arts credit required for college admission. Full-year enrollment is recommended for students wishing to advance in Vocal Music.

Prereq. - None; Grade Levels – 9

\*Vocal Music II - (1 unit of credit per term) - This course is open to students who desire to participate in a choral performance organization working at a higher difficulty level than Vocal Music I. The course is designed as a class to bridge Vocal Music I with Vocal Music III. Students must master music fundamentals and attain an intermediate level of sight-reading and part independence. There are required performances, activities, and uniforms. This course fulfills the requirement for a performing arts credit required for college admission.

Prereq. -None; Grade Levels - 10, 11, 12

\*Vocal Music III - Advanced Chorus - (1 unit of credit per term) - This course is an advanced choral class. Students are accepted on the basis of audition. Students must master music fundamentals and attain a high level of sight-reading and part independence. Students must participate in required performances and festivals as members of advanced chorus. This course fulfills the requirement

for a performing arts credit required for college admission. Vocal Music III is a full-year course.  
Prereq. – Vocal Music I or Vocal Music II; Audition Required; Grade Levels - 10, 11, 12

Advanced Placement Music Theory and Harmony – (1 unit) – An advanced level class for those students wishing to add to their base of musical knowledge through study of the fundamentals of music, composition, ear training, sight-reading and analysis of musical compositions. AP Music Theory may be used as a college preparatory class by students wishing to continue their musical education but will also benefit advanced band and choral students as well.

Prereq. – **Students entering the class must have a primary instrument (instrumental, vocal or piano) and have significant previous experience in music. Grade Levels – 11, 12**

Show Choir – (0 credit/No grade awarded) – Show Choir meets on Monday afternoons from 2:45 – 4:30 all year. Students are accepted on the basis of auditions in August and January. The show choir sings popular music, jazz and show tunes and entertains frequently in the community.

Prereq. – None; Grade Levels – 9, 10, 11, 12

*\*For scheduling purposes, ‘A’ denotes First Term; ‘B’ denotes Second Term.*

## OFFICE ASSISTANTS

Office Assistants - (0 credit) - This course is one term in length. The student will assist the staff in one of the offices—main, attendance, or guidance. Regular attendance is mandatory. Poor attendance and/or performance will result in the student being placed in lunch detention and restricted from future participation. Office assistant carries no credit. Grades will be given. The student must get prior approval. This course cannot be taken during the same term as peer tutoring or PE Weightlifting (only one of these courses can be taken each term).

Prereq. - None; Grade Levels - 10, 11, 12

Peer Tutoring - (1 unit) - Each student, who elects to take this course, will be assigned as a peer tutor to a student with special needs. Interested students may obtain additional information about peer tutoring from Mrs. Franklin. Peer tutors will assist special needs students as they are included throughout the school day in their daily routine at GHS or tutors will travel to an elementary or middle school to tutor students in reading, math or language. Peer tutors are required to attend class on a consistent basis, engage in active participation when working with students. Students must have their own transportation with parent permission to travel to the elementary and middle schools. This course cannot be taken during the same term as office assistant and PE Weightlifting (only one of these courses can be taken each term).

Prereq. - None; Grade Levels - 10, 11, 12

## DEPARTMENT OF PHYSICAL EDUCATION

Physical Education I - (1 unit) – This course is designed to develop the skills and attitudes necessary to achieve and maintain lifelong health and fitness. Students will be encouraged to gain an active appreciation of the positive role of physical fitness. The main goals of this program are to develop problem-solving skills, increase self-confidence, group cooperation, and acquire lifetime health and movement skills and knowledge. Students are also introduced to a wide variety of team and individual sports, and different modes of physical conditioning. Grades are based on physical fitness testing, attendance, participation, and improvement in class.

Prereq. – None; Grade Levels -- 9

Physical Education II (Advanced PE) - (1 unit) – This advanced P. E. course is an active participation class. The students will work in a structured and controlled environment. The course focuses on different activities such as team sports, individual sports, and aerobics.

Prereq. - Wellness; Grade Levels - 10, 11, 12

Physical Education II (Weight Lifting) - (1 unit) - This course consists of strength development through weight lifting. Students will work out in a structured and controlled atmosphere designed to improve their physical condition for athletics. This course is supplemented with speed and conditioning work through plyometrics and other activities. This course cannot be taken the same term as office assistant or peer tutoring (only one of these courses can be taken each term).

Prereq. - Wellness; Grade Levels - 10, 11, 12

Wellness/Health – (1/2 unit) – The class is designed to study current concepts of preventive medicines; investigate the latest criteria findings relevant to major diseases and causes of premature death in the U. S. This relationship of nutrition to optimal health, obesity, Diabetes, and weight control. The class will provide the students with an opportunity to receive their Heartsavor CPR, AED and First Aid certification. This class will be paired with Driver’s Education.

Prereq. – Physical Ed. I; Grade - 10

Driver Education - (1/2 unit) - This program is designed to prepare the student for the state driver’s license test, to meet insurance company requirements and to make safe and efficient drivers. A \$20 fee for this class is required for insurance. The payment must be

made to receive a grade (30 hours classroom instruction and 6 hours driving time.)  
Prereq. - Student must be 15 years of age; Grade Levels - 10, 11, 12

## AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS DEPARTMENT

Our instructional mission requires Air Force Junior Reserve Officer Training Corps (AFJROTC) provide a curriculum to help develop informed citizens for the Aerospace Age. From their learning experiences, students should realize the significance of aerospace achievements and develop improved attitudes of personal integrity, discipline, self-reliance, and patriotism. AFJROTC is not basic training. It is a blend of science, social science, technical course work, training in drill and ceremonies, and the elements of leadership. AFJROTC Cadets develop discipline, responsibility, communication skills, and citizenship. Cadets learn leadership fundamentals to prepare them to assume leadership responsibilities within the cadet corps, school, and local community. Leadership also includes wearing the uniform, engaging in Air Force customs and courtesies, participating in drill and ceremonies, giving and receiving instructions, and acting as leaders and members of an organization. The practical activity associated with a corps organization includes drill teams, awards, dinners, military balls, and field trips to local bases, airports, and industries.

AS1A - (1 unit) This course acquaints the student with the historic development of flight and the role of the military in history through WWII. Leadership topics are Heritage, Organization, and Traditions of AFJROTC and Individual Self-control. Also, Elements of Survival and Orientation and Traveling (Land Navigation, Signaling Techniques, and Recovery Principles) are covered. Students are taught to march, wear a military uniform, taught leadership and followership skills, and given jobs inside the Cadet Leadership Structure. Participates in the E2C wellness program. This is a progressive P. E. Program that assesses baseline fitness with a 1-mile run and 19 exercises over a 36-week period.  
Prereq. –None; Grade Levels 9-12

AS2 (Flight) - (1 unit) This course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Each Cadet will be given the opportunity to advance according to their ability and desire.  
Prereq. –AS1A and recommended by the Senior Aerospace Science Instructor; Grades 10-12

AS3 (Space) (1 unit) This course examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned space flight. Issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained.  
Prereq. –AS1A and recommended by the Senior Aerospace Science Instructor; Grades 10-12

AS4 Option 1 - Management of the Cadet Corps - (1 unit) The cadets manage the entire corps in this course. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All planning, organizing, coordination, directing, controlling, and decision-making will be done by the cadets. They practice their communication, decision-making, personal-interaction, managerial, and organizational skills.  
Prereq. –AS1A, AS2, AS3 and be recommended by the Senior Aerospace Science Instructor; Grade 11-12

AS4 Option 2 - Honors Program - Ground School - (1 unit) The course is the foundation for students interested in receiving their private pilot's license. The material is an advanced, more in-depth study of the previous aerospace topics. When the course is completed the student should be prepared to take and pass the Federal Aviation Administration (FAA) written examination.  
Prereq. –Recommended by the Senior Aerospace Science Instructor; Grade Levels 11-12

AS4 Option 3 – Aerospace Careers - (1 unit) The course has valuable information that will help the student chose a career in aviation and/or the aerospace industry. It is designed to help the student apply scientific concepts and principles. The Geography portion adds to the basic knowledge of the Earth's surface and the processes that shape it; of places and their connections to other places; and of the relationship between people and environments.  
Prereq. –Recommended by the Senior Aerospace Science Instructor; Grade 12

AS4 Option 4 – Cadet Instructor - (1 unit) The course gives only top cadets the opportunity to instruct in the classroom. This course will shadow AS1A or AS1B. The Cadet Instructor will prepare lesson plans and mirror the Senior Aerospace Science Instructor's coverage of the history of the United States.  
Prereq. –AS1A, AS2, AS3, AS4 Option 1 and 3 and be recommended by the Senior Aerospace Science Instructor; Grade 12

## GHS JROTC Four-Year Program Curriculum Guide Table

Below are the course outlines for each course offered in our program. This Curriculum Guide provides for eight credits of JROTC. The Air Force Junior ROTC curriculum consists of 120 contact hours. Aerospace Science and Leadership Education is offer in a 60/40 percentage per AFJROTC regulations. AS Option 2 is currently not available due to instructor certification. Major Freels will have the certification before the course is offered for the first time.

<u>Course</u>	<u>1<sup>st</sup> Nine Weeks</u>	<u>1<sup>st</sup> and 2<sup>nd</sup> Nine Weeks</u>		<u>2<sup>nd</sup> Nine Weeks</u>
<b>AS1A</b> History Survival LE1	The Heritage of Flight	Citizenship In the United States	Elements of Surviving	Development of Air Power
	Heritage, Organization, and Traditions		Orientation / Traveling	Individual Self-Control
	Toward Military Aerospace	Team Building Scenarios with each Cadet having the Leadership Role	Personal Protection	Contemporary Aviation
			Necessities to Maintain Life	Wellness, Health, and Fitness
<u>Course</u>	<u>1<sup>st</sup> 4 + Half Wks</u>	<u>2<sup>nd</sup> 4 + Half Wks</u>	<u>3<sup>rd</sup> 4 + Half Wks</u>	<u>4<sup>th</sup> 4 + Half Wks</u>
<b>AS2</b> Science LE2	The Aerospace Environment	Human Requirements of Flight	Principles of Aircraft Flight	Principles of Navigation
	Effective Communication Skills	Understanding Individual Behavior	Understanding Group Behavior	Basic Leadership Concepts
<b>AS3</b> Space LE3	The Space Environment	Space Programs	Space Technology	Manned Space flight
	Choosing Your Path	The Job Search	Financial Planning	Career Opportunities
<b>AS4</b> Options LE4	Option 1 - Management of the Cadet Corps		Management Techniques	Management Decisions
	Option 2 - Honors Ground School Program*		Laboratory Manual	Leadership Principles
	Option 3 - Life After High School: "Choosing a Career"		Geography	Management Functions
	Option 4 - Cadet Instructor		Managing Self and Others	Policy and Organization

AS - Aerospace Science

LE - Leadership Education

\* Honors Ground School is only for top achievers. Entry into ground school is earned by high achievement in other AFJROTC courses and involvement in the cadet corps. The student must have written approval from the SASI/ASI prior to registering.

## DEPARTMENT OF SCIENCE

Physical Science - (1 unit) - Concepts covered in the course include a study of matter and its properties, periodic law and families of elements, interactions of matter, motion and forces, energy, heat, light, sound magnetism, electricity, and current trends in technology.  
Prereq. - None; Grade Levels - 9, 10, 11, 12

Honors Physical Science – (1 unit) – This course will cover the same topics included in physical science with an emphasis on the correlation of math and science. An opportunity will exist for more laboratory experiments in chemistry and physics with an emphasis upon critical think and problem-solving skills. This course is designed for students planning to take chemistry and/or physics.  
Prereq. – Acc. Algebra I; Grade Levels – 9, 10, 11, 12

Gateway Biology - (1 unit of elective credit) - This course is strongly recommended for students who fail the Biology I Gateway exam. It should be taken before the student retakes the Biology I Gateway exam.  
Prereq. – None; Grade Levels – 9, 10

Biology I - (1 unit) - This course is the study of living things. Biology I will include a study of the life processes of organisms as well as an examination of the major groups of organisms that exist today. Laboratory activities will be performed to introduce or enhance biological principles.  
Prereq. - Physical Science; Grade Levels - 10, 11, 12 - Univ. Path; Grade Levels - 11 -12 - Technical Path

Honors Biology I – (1 unit) – This course is designed to follow Honors Physical Science and is recommended for students planning to take AP Biology II. The topics to be studies will be the same as those in Biology I, but they will be covered in greater depth, with an emphasis on critical thinking and analytical reasoning. Topics to be covered include: chemistry of life, cellular biology, genetics, phylogeny, biological diversity, form and function of plants and animals, and taxonomy. All biological kingdoms will be addressed.  
Preq. – Honors Physical Science and Algebra B or Acc. Alg. I  
Grade levels – 10 (or 9 if Honors Physical Science was taken during the first term.)

Earth Science - 1 unit - This class will introduce the student to applicable concepts in the science fields with emphasis on practical applications. Topics covered will include the following: planet and star composition, rock and mineral identification, plate tectonics including the study of volcanoes and earthquakes, water and rock cycles, and the cause and impact of weather. In addition, this class will develop better laboratory skills of the student by stressing the gathering, recording, and analysis of data.  
Prereq. - Physical Science, Biology I; Grade Levels - 11, 12

Life Science - (1 unit) – Life Science is a course that introduces students to living things and their relationship to the environment. The students explore the following: Cells, Ecological Interactions, Energy Production and Use; Reproduction and Inheritance; Classification and Environmental Diversity; Biological Evolution. The Life Science standards provide a basis foundation for the biological sciences. Hands-on laboratory investigations, technology, research, inquiry, individual and group activities are used to meet the life science standards. This course will be a prerequisite for Biology I for selected students.  
Prereq. - Physical Science and Teacher Recommendation; Grade Levels - 10, 11, 12

Chemistry I - (1 unit) – This course provides a survey of chemistry, including the study of atomic and molecular structure leading to a basic understanding of the nature of and the changes in matter. General chemical principles and theory are emphasized along with problem solving and practical applications of chemistry, which are taught through laboratory experiences.  
Prereq. – Physical Science and Biology I; Algebra A & B; Grade Levels - 10, 11, 12

Honors Chemistry I - (1 unit) – This course provides an in-depth survey of chemistry, including the study of atomic and molecular structure leading to a thorough understanding of the nature of the changes in matter. Chemical principles and theory are emphasized through critical thinking exercise and practical applications via laboratory experiences. This course is required for students planning to take AP Chemistry.  
Prereq. – Honors Physical Science; Honors Biology I; Algebra A, B & C (can be co-requisites); Grade Levels – 10-12

Ecology - (1 unit) - This course creates an awareness of the way our environment works and changes. Emphasis is placed on labs for study and research. Much discussion occurs about current environmental issues as well as textual information. Ecology is a class for those students who want to learn about the effects of destruction of lands; the polluting characteristics of hazardous wastes; ecosystems; populations; water and air pollution; energy and water management; and other modern-day environment concerns.  
Prereq. - Biology I and Physical Science; Grade Levels - 11, 12

AP Biology II - (1 unit) - This course is recommended for students interested in careers in health, medicine or other science related fields. AP Biology II concentrates on cell biology. Cell chemistry, genetics, photosynthesis and other cell metabolic functions are studied in detail. Anatomy and physiology of plants and animals is also stressed. Laboratory applications are a major part of this course and may require some extra time occasionally for completion. This course will prepare students for the Advanced Placement

exam. Students should expect to spend a significant amount of time in independent study. Students may need to stay after school at times to complete laboratories or exams.

Prereq. - Biology I and Chemistry I; Grade Levels - 11, 12

AP Chemistry II - (1 unit) - This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. Students in this course should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas orally and in writing with clarity and logic. The AP Chemistry course is designed to be taken only after the

successful completion of a first course in high school chemistry. The student should be enrolled in a four-year college preparatory program in mathematics. Materials will be selected to prepare the student for the Advanced Placement Examination. Students should expect to spend a significant amount of time in independent study. Students may need to stay after school at times to complete laboratories or exams.

Prereq. - Chemistry I; Grade Levels - 11, 12

Physics - (1 unit) - A laboratory course which will consider in detail the topics of motion, statics, energy, work, gravitation, heat waves, light, sound, electricity, electronics, circuits, and magnetism. Physics is fundamental to the study of other sciences and math. This is a conceptually-based course designed to introduce students to physics in real world situations.

Prereq. - Algebra A, B, & C are required; Grade Levels - 10, 11, 12

Honors Physics - (1 unit) - A laboratory course which will consider in detail the topics of motion, statics, energy, work, gravitation, heat waves, light, sound, electricity, electronics, circuits, and magnetism. Physics is fundamental to the study of other sciences and math. This is a mathematically-based course designed for math, science, or engineering majors.

Prereq. - Algebra A, B, & C are required; Grade Levels - 10, 11, 12

## DEPARTMENT OF SOCIAL STUDIES

Economics - (1 unit) - Junior Achievement Applied Economics provides an opportunity to study economics, learn about the American free enterprise system and explores the role of citizens, producers, and consumers. This course is a requirement for graduation.

Prereq. - None; Grade Levels - 11, 12

Psychology - (1 unit) - A survey course in general psychology that includes units on learning processes, personality theories, behavior patterns, symptoms, causes and treatments of emotional disorders, achieving a wholesome personality, and various problems of adjustment as they affect young people today.

Prereq. - None; Grade Levels - 11, 12

Sociology - (1 unit) - This course is designed to provide the student with a background knowledge of cultural development, a brief overview of the major institutions of society, and a study of the social controls. The course stresses the student's relationships in their complex culture and develops discussion of many of today's social problems.

Prereq. - None; Grade Levels - 11, 12

U.S. Government - (1 unit) - This course is a survey of the functions of government, primarily at the National Level, and how the three branches of government interact and affect society. This course is required for graduation.

Prereq. - None; Grade Levels - 11, 12

United States History - (1 unit) - This survey course covers the period from the Industrial Revolution to the present as preparation for the end-of-course test as mandated by the State of Tennessee.

Prereq. - None; Grade Levels - 11, 12

AP United States History - (1 unit) - A survey course spanning the period from the American Revolution to the present. Students are prepared to take the advanced placement exam in United States History. Students are required to complete historical outlines, research projects, and supplementary readings.

Prereq. - None; Grade Levels - 11, 12

World Geography - (1 unit) - This course acquaints the student with all parts of the world, particularly the newly emerging nations sometimes called the Third World.

Prereq. - None; Grade Levels - 9, 10, 11, 12

World History - (1 unit) - A survey course designed to give the students an understanding of the development of civilizations in Asia, Africa, Europe and the Americas. Content includes selected histories of these areas from earliest times to present. In addition political, economics and cultural interdependence will be emphasized, along with the study of art, architecture, philosophies, and major historical concepts.

Prereq. - None; Grade Levels - 10, 11, 12

AP European History - (1 unit) - European civilization from the Renaissance to the present day is studied. A substantial amount of reading is required to develop the basic techniques of the historian and scholar. Students are provided with the opportunity to pursue social, cultural, scientific, intellectual, and political developments in Western Civilization.

Prereq. – AP U. S. History; Grade Levels - 11, 12

African-American History – (1 unit) – From the rich African heritage through the brutality of slavery, the fight for freedom, and the struggle for civil rights, the content of this course focuses on the experiences of a people who have overcome overwhelming obstacles to enhance the national fabric. Students will utilize the skills necessary for chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and historical issues-analysis and decision-making. They should learn to distinguish the relevant from irrelevant in applying lessons from the past to the issues facing the contemporary world. The student learnings are keyed specifically to eras listed in the *National History Standards: Basic Edition*.

Prereq. – None; Grade Levels – 10, 11, 12

## DEPARTMENT OF SPECIALIZED INSTRUCTION

Students with certified disabilities, as determined by federal and state guidelines, are eligible to receive services through the Least Restrictive Environment (LRE) Program, Resource classes (Gateway Curriculum), or the Consultative Services Program. The programs provide individualized educational plans for each student that addresses academics, vocational training, and the transition from school to the adult world. Students may earn a regular diploma or a diploma of specialized instruction. Support services are available for visual, auditory, speech, language, and physical disabilities.

Consultative Services - These services are provided to all students certified eligible as determined by a complete diagnostic evaluation. An IEP (Individualized Education Program) is developed by the consulting teacher, general education teachers, guidance counselors, parents, and administrative staff. Delivery of service and support strategies are based on student strengths and needs, cooperating teacher's style and the nature of the course material. The consulting teachers also provide support services to students with diagnosed health impairments for compliance with IDEA (Individuals with Disabilities Education Act) and section 504 of the Rehabilitation Act.

LRE (Least Restrictive Environment) - The LRE program is designed to serve students with more challenging disabilities. These students receive community-based instruction as well as functional reading and math. Students in these programs are given opportunities in non-paid job training sites and, when appropriate, paid employment. Students are included in extracurricular activities at school and are integrated into regular classes when determined appropriate. The LRE program may utilize peer tutors in an effort to allow non-disabled students to work and become acquainted with disabled students.

## RESOURCE (GATEWAY CURRICULUM - GC)

GC English I - (1 unit) - This course is designed to help the student improve basic grammar and reading skills. The skills needed to pass the Gateway test will be the focus of this course. Emphasis will also be given to work-related skills and the transition from school to work.

Grade Levels - 9

GC English II - (1 unit) - This course is a continuation of GC English I. It is designed to help the student improve basic grammar and reading skills. The skills needed to pass the Gateway test will be the focus of this course. Emphasis will also be given to work-related skills and the transition from school to work.

Grade Levels - 10

GC English III - (1 unit) - This course is a continuation of GC English II. It is designed to help the student improve basic grammar and reading skills. The skills needed to pass the Gateway test will be the focus of this course. Emphasis will also be given to work-related skills and the transition from school to work.

Grade Levels - 11

GC English IV - (1 unit) - This course is a continuation of GC English III. It is designed to help the student improve basic grammar and reading skills. The skills needed to pass the Gateway test will be the focus of this course. Emphasis will also be given to work related skills and the transition from school to work.

Grade Levels - 12

GC Math I - (1 unit each) - This course emphasizes skills needed for mastery of the Gateway test. In addition, math needed for everyday living skills is emphasized (interpreting a paycheck, earning money, wise shopping, etc.).

Grade Levels - 9

GC Pre-Algebra – (1 unit) -This course is a continuation of GC Math I. It emphasizes pre-algebra skills needed for mastery of the Gateway test.

Grade levels – 10

GC Algebra – (1 unit)- This course is a continuation of GC Pre-Algebra, emphasizing skills needed for mastery of the Gateway test.

Grade Levels – 11, 12

GC Life Science – (1 unit) – This course introduces students to living things and their relationship to the environment. The students explore the following: Cells; Ecological Interactions; Energy Production and Use; Reproduction and Inheritance; Classification and Environmental Diversity; Biological Evolution. The standards used in this course provide a basic foundation for the biological sciences.

Grade Levels - 9

GC Biology – (1 unit) – This course is the study of living things. This course will include a study of the life processes of organisms as well as an examination of the major groups of organisms that exist today. Laboratory activities will be performed to introduce or enhance biological principles. For freshmen technical path students.

Prereq. – GWC Life Science; Grade Levels – 10, 11, 12

Work Transition – (1 unit) – This course is designed to provide activities and opportunities for the students to learn skills necessary to be successful in the world of work and community. Various topics ranging from money management to job skills will be covered.

This course will be paired with GC Work-Based Learning.

Grade Levels – 11, 12

Work-Based Learning – (1 unit) – This course consists of work-based learning activities that are part of a structured system at the high school level that allow students to apply classroom theories and to explore career options at the work site or connect classroom learning to work.

Grade Levels – 11, 12

Vocational Skills – (1 unit) – This course is based on a curriculum designed to provide skill-based training for real and simulated job situations. A continuum of training, practice and assessment will build entry-level skills to enhance student employment opportunities. Students will integrate practice of learned skills on campus and at community work sites.

Grade Levels – 9, 10, 11, 12

Work Study – (1 unit) -- This course provides junior and senior students with employment options while still enrolled in their secondary program. The school day is structured to meet student job schedules and credit is awarded for sustaining successful employment and earning positive on-the-job performance assessment. Students earn while they learn and gain valuable work experience.

Grade Levels – 11, 12

Vocational Rehabilitation School-to-Work Program – (1 unit) – In cooperation with TN Division of Rehabilitation Services, eligible students of work age can receive assistance as they move from school to the working world. Services include comprehensive diagnostic medical and/or psychological and vocational assessment, counseling, and work adjustment training. Post-graduate opportunities are available for higher-level training including tuition and other costs.

Grade Levels - 12

## DEPARTMENT OF TECHNICAL EDUCATION

Automotive Mechanical Technology I-IV (2 units each) - This course teaches how to enjoy making a living working on cars. Students will work with special equipment such as engine analyzers to repair the mechanics of an automobile. Completers of the Auto Mechanics Technology class may earn credit at Northeast State Technical Community College, Tennessee Technology Center in Morristown, and Nashville Auto Diesel College.

Grade Levels - 10, 11, 12

Carpentry I-IV (2 units each) - Students will learn the basics for building a structure from the ground up. Basic building skills, footings and foundations, flooring systems, roof systems, masonry, plumbing, electricity, and finishing are all a part of this course. Completers of this course may earn credit at Tennessee Technology Center in Morristown for work completed at the Greeneville-Greene County Center for Technology and/or may challenge some classes.

Grade Levels - 10, 11, 12

Collision Repair I-IV (2 credits each) – Students will study both major and minor auto body repair methods on the entire vehicle including plastic filler repair, welding, refinishing, frame repair, and painting.

Grade Levels - 10, 11, 12

Computer Aided Design I-III [CAD] (2 credits each) – Students will learn to create drawings and apply design concepts using the latest AutoCAD 2007 software. Projects will include design drawings for the development of machines, products, and buildings.

Grade Levels – 10, 11, 12

Cosmetology I-VI (2 units each) – Students will gain experience and expertise in all areas of beauty including manicures, pedicures, skin care, hair coloring and styling, hair cutting and salon operations. Hours are earned toward qualification to take the Tennessee State Board of Cosmetology Exam.

Grade Levels – 10, 11, 12

Criminal Justice I-IV (2 credits each) – Students will learn about the three components of the Criminal Justice system: police, courts, and corrections. Students will also learn about forensics and the world of work related to law enforcement and how to take fingerprints, do plaster casting, and investigate a crime scene. Dual credit may be awarded through Walters State Community College.

Grade Levels – 10, 11, 12

Early Childhood Education Careers I-IV (2 units each) - Students will learn about careers working with young children from birth to age six. Hands-on experience in working with young children is an integral part of the course. Dual credit may be awarded through Walters State Community College and Northeast State Technical Community College.

Grade Levels - 10, 11, 12

Health Science and Technology I-IV (2 credits each) –This program consists of a series of courses designed for those who wish to enter the health-care field. These include health science education, rehabilitation therapies, medical therapeutics, forensic medicine, emergency management, and anatomy and physiology. Dual credit may be awarded through Walters State Community College, Tennessee Technology Center in Morristown, and Northeast State Technical Community College.

Grade Levels - 10, 11, 12

PC Repair] (2 credits each) - This course provides students with information and experience in basic computer operations, computer hardware functions, software installation, troubleshooting techniques, computer networking, cabling technology and home technology integration.

Grade Levels - 10, 11, 12

Principles of Manufacturing I-V (2 credits each) - This program provides students with training in blueprint reading, traditional machining, and computer numerical control machining in a hands-on learning environment. Students may earn college credit through dual credit opportunities at Tennessee Technology Center in Morristown and Northeast Tennessee Technical Community College.

Grade Levels - 10, 11, 12

Welding I-IV (2 credits each) - This program will prepare you to weld with various types of welding equipment and be able to cut with gas and plasma arc torches. Credit earned in this course at the Greeneville-Greene County Center for Technology may be used for credit at Northeast State Technical Community College and Tennessee Technology Center in Morristown.

Grade Levels - 10, 11, 12

## WALTERS STATE COMMUNITY COLLEGE

### Dual Enrollment

Walters State Community College offers a Dual Enrollment Program at the Greeneville Center. Students who enroll in these courses have the opportunity to get a “head start” on their college education without duplicating course work. Credits earned at WSCC may transfer to all two- and four-year state colleges and universities. This opportunity provides qualified students with intellectually demanding course work as they mature socially and develop leadership potential as well as providing the student tremendous savings of time and money. Students are required to meet the following criteria to enroll at WSCC: (1) 3.0 cumulative GPA; (2) an ACT composite score of 19, a sub score of 19 on the English and Math portion. The ACT test must be on file before registering for a WSCC course—no exceptions to this rule; (3) an endorsement from the high school counselor and from the student’s parent/guardian; (4) apply for admission to WSCC, pay the application fee, and be accepted. Students will be required to pay the appropriate fees at the beginning of the each session based on the number of hours enrolled (this includes tuition, activity fee, technology fee, and book costs). The student may qualify for the Lottery Dual Enrollment Grant (3.00 cumulative GPA and ACT Composite of 19) each term in the amount of \$300 which covers **most** of the tuition cost for a three-hour course. Books and

supplies are extra. The student must maintain a 2.75 cumulative GPA to continue the Lottery Dual Enrollment Grant for subsequent terms.

GEAP Program

This program will give students an opportunity to earn high school and college credit simultaneously while completing an associates degree in either four or five years. The GEAP Program is, therefore, a school of opportunity for all students who possess academic potential but who are dissatisfied with the traditional high school setting. This program serves as a launch pad to further and greater achievement.