

UNICOI COUNTY HIGH SCHOOL
PROGRAM OF STUDY
2023-2024

ENGLISH DEPARTMENT

EG01H09	English I CP	EOC: Yes	Grade: 9	<i>English I is the introductory English course in high school. The Course focuses on reading, writing, listening and speaking, and language. Students will read a variety of fiction and non-fiction pieces including novels, short stories, poetry, drama, articles, and informational texts. Writing includes narrative, informative/explanatory, and argument using evidence to support conclusions. The course continues to develop language and skills.</i>
EHG0H09	English I Honors	EOC: Yes	Grade:9	<i>English I Honors is an advanced course for students who have demonstrated above grade level skills in reading and writing. As in English I CP focus is on reading, writing, listening and speaking, and language. Students will read a variety of increasingly complex texts and write in various modes.</i>
EG01H10	English II CP	EOC: Yes	Grade: 10	<i>English II builds on the skills developed in English I and continues to address reading, writing, listening and speaking, and language. Students will read a variety of fiction and non-fiction pieces including novels, short stories, poetry, drama, articles, and informational texts with a focus on World Literature. Writing includes narrative, informative/explanatory, and argument using evidence to support conclusions. The course continues to develop language and skills.</i>
EHG01H10	English II Honors	EOC: Yes	Grade: 10	<i>English II Honors is an advanced course for students who have demonstrated above grade level skills in reading and writing. As in English II CP, the focus is on reading, writing, listening and</i>

speaking, and language. Students will read a variety of increasingly complex texts in World Literature and write in various modes.

G01H11 English III CP EOC: No Grade: 11
English III builds on the skills developed in English II and continues to address reading, writing, listening and speaking, and language. Students will read a variety of fiction and non-fiction pieces including novels, short stories, poetry, drama, articles, and informational texts with a focus on American Literature. Writing includes narrative, informative/explanatory, and argument using evidence to support conclusions. The course continues to develop language and skills.

APG01H17 AP English III EPSO EOC: No Grade: 11-12
The Advanced Placement English Language & Composition course aligns with an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages of the writing process. Students are required to take the AP Test. Those who score 3-5 have an opportunity to receive college credit for this course.

G01H13 English IV CP EOC: No Grade: 12
English IV builds on the skills developed in English III and continues to address reading, writing, speaking, and listening. Students will read a variety of fiction and non-fiction pieces including novels, short stories, poetry, drama, articles, and informational texts with a focus on British Literature. Writing includes narrative/informative/explanatory, and argument using evidence to support conclusions. The course continues to develop language and skills.

G01H19 Tier III ELA Intervention EOC: No Grades: 9-12
Tier 3 ELA interventions are designed to address significant deficits in literacy for which students are in need of intensive interventions. As a result, Tier 3 interventions require careful planning and small group instruction. This course focuses on supporting students who are at least one grade level behind their peers.

G01H16 Creative Writing EOC: No Grades: 10-12
This course provides ample opportunity for students to write creatively in a variety of ways.

G05H55 SDC Speech EOC: No Grades: 11-12
This course prepares students for college level fundamentals of speech and communication. Topics covered include the elements of communication, group communication, intercultural communication, the nature and value of language, nonverbal communication, persuasion, public speaking, and the value of listening. Students will take a cumulative test and can achieve college credit.

MATH DEPARTMENT

G02H01 Algebra I A EOC: No Grade: 9
Algebra I A is the foundation of Algebra. Essential topics include solving, graphing, and writing linear equations and inequalities.

EG02H02 Algebra I B EOC: Yes Grade: 9-10
Algebra I B continues the study of algebra with topics including properties of exponents, quadratic equations, radicals and rational expressions, and equations with rational expressions.

EHG02H00 Algebra I Honors EOC: Yes Grade: 9
This course is designed for students who have demonstrated above grade level skills in mathematics. It will cover similar topics in Algebra IA and Algebra 1B but will be at a faster pace and include more investigative activities.

EG02H11 Geometry EOC: Yes Grade: 10-11
In Geometry students will strengthen their logical and mathematical reasoning while studying the formal structure of geometric concepts. Students will develop problem-solving skills through applying geometric concepts in real-world situations.

EHG02H11	Geometry Honors	EOC: Yes	Grade: 10
	<i>Geometry Honors is intended for students who have demonstrated above grade level skills in mathematics and Algebra I. Students will cover topics found in Geometry but will focus on the development of mathematical proofs and the completion of investigative tasks at a brisk pace.</i>		
G02H06	Algebra II A	EOC: No	Grade: 11-12
	<i>Algebra II looks at transformations of functions and quadratics as they are introduced to complex numbers. Students will learn concepts of exponential logarithmic functions, polynomial and rational functions, the conic sections, sequences and series, and an introduction to trigonometric functions. Some topics of probability and statistics will also be presented.</i>		
G02H07	Algebra II B	EOC: Yes	Grade: 11-12
	<i>Algebra II looks at transformations of functions and quadratics as they are introduced to complex numbers. Students will learn concepts of exponential logarithmic functions, polynomial and rational functions, the conic sections, sequences and series, and an introduction to trigonometric functions. Some topics of probability and statistics will also be presented.</i>		
EHG02H05	Algebra II Honors	EOC: Yes	Grade: 11-12
	<i>Algebra II Honors will cover the same material as Algebra II but at a quicker pace. There will also be greater depth and an emphasis on investigative tasks.</i>		
DCG02H74	SDC Pre-Calculus EPSO	EOC: No	Grade: 11-12
	<i>This course continues building on foundations from Algebra II including absolute value, greatest integer, polynomial, rational, exponential, and logarithmic functions. Students will also begin their study of trigonometry including the Unit Circle, the graphs of the trigonometric and inverse trigonometric functions, identities and application of identities to solve equations and inequalities, and triangle trigonometry. Students who score proficiently on the final exam may receive college credit for the course.</i>		
G02H41	SAILS Bridge Math	EOC: No	Grade: 12

Chemistry. Students learn proper scientific investigation methods and reporting through experimentation, data collection, graphing, and analysis. Physics topics include Newton's Laws, acceleration, universal forces, waves, momentum, lenses, magnetism, and electricity. Chemistry topics include the periodic table of elements, chemical reactions, atomic structures, chemical bonding, nuclear and organic chemistry, and electron configuration. This is a lab course.

HG03H00 Physical Science Honors EOC: No Grade: 9
Physical Science Honors is an advanced introductory course for Physics and Chemistry. Students learn proper scientific investigation methods and reporting through experimentation, data collection, graphing, and analysis. Physics topics include Newton's Laws, acceleration, universal forces, waves, momentum, lenses, magnetism, and electricity. Chemistry topics include the periodic table of elements, chemical reactions, atomic structures, chemical bonding, nuclear and organic chemistry, and electron configuration at a brisk pace. This is a lab course.

EG03H03 Biology I EOC: Yes Grade:9-12
Biology I investigates the relationship between the structure and function of molecules, organisms, and systems. Scientific inquiry, technology and engineering, and mathematics are taught in the context of the content standards: from molecules to organisms, structures and processes, ecosystems, heredity, and biological change. This is a lab course.

EHG03H03 Biology I Honors EOC: Yes Grade: 9-12
Biology I Honors investigates the relationship between the structure and function of molecules, organisms, and systems at a challenging pace. Scientific inquiry, technology and engineering, and mathematics are taught in the context of the content standards: from molecules to organisms, structures and processes, ecosystems, heredity, and biological change. This is a lab course.

G03H09 Biology II EOC: No Grades:10-12
Biology II is an advanced course that focuses on cell biology and

associated biochemistry, energy processes, biodiversity, and change, and comparison of form and function of plant and animal processes. This is a lab course.

G03H12 Chemistry I EOC: No Grades: 10-12
Chemistry I focuses on the seven core concepts: patterns, cause and effect, scale, proportion, and quantity; systems and system models; energy and matter; structure and function; and, stability and change. Topics covered include classification of matter, atomic theory, electron arrangement, chemical bonding, chemical equations, stoichiometry, properties of gasses, liquids, solids, and nuclear chemistry. This is a lab course.

HG03H12 Chemistry I Honors EOC: No Grades: 10-12
Chemistry I Honors is an advanced course that focuses on the seven core concepts: patterns, cause and effect, scale, proportion, and quantity; systems and system models; energy and matter; structure and function; and, stability and change in great detail. Topics covered include classification of matter, atomic theory, electron arrangement, chemical bonding, chemical equations, stoichiometry, properties of gasses, liquids, solids, and nuclear chemistry. This is a lab course.

AP Chemistry EPSO EOC: No Grades: 11-12
AP Chemistry provides students with a college-level course in the foundations of Chemistry. Topics include atomic structure, bond theory, kinetics, equilibrium, and organic chemistry. This is a lab course. Students who score 3 or higher on the final exam may qualify for college credit.

Dual Enrollment Chemistry I/II EOC: No Grades: 11-12
DE Chemistry I/II is an advanced course that provides students with a college-level foundation to support future advanced coursework in chemistry. Students explore topics such as elemental analysis, properties of solutions, electrochemistry, molecular geometry and intermolecular forces, thermodynamics, and properties of gasses. This is a lab course.

G03H20 Physics EOC: No Grades: 11-12
Physics is the study of the physical world with an emphasis on the relationship between matter and energy. This course is beneficial for students pursuing science in college or those who are interested in careers in technology, engineering, or other related fields. Topics include linear motion, fluid mechanics, sound, vibrations and waves, electricity and circuits. This is a lab course.

APG03H29 AP Physics C EPSO EOC: No Grades: 11-12
AP Physics C is focused on Mechanics. Students explore concepts such as kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. Students who score 3 or higher on the final exam may qualify for college credit. This is a lab course.

C21H04 STEM I: Principles of Engineering EOC: No Grade: 9
STEM I Foundations is an introductory course in science, technology, engineering, and mathematics. Students will learn about professions in the field of STEM along with hands-on activities.

C21H05 STEM II: Engineering Design EOC: No Grades: 10-12
STEM II Applications is the second course in the STEM series that takes a more in-depth look at STEM Applications and possible fields of study.

SOCIAL STUDIES DEPARTMENT

G04H10 World History EOC: No Grade: 9
World History explores the topics chronologically from the Age of European Exploration through the Arab-Israeli Conflict and Globalization.

DCG04HB4 SDC World History EPSO EOC: Yes Grades: 11-12
State-wide Dual Credit World History explores the topics chronologically from the Age of European Exploration through the Arab-Israeli Conflict and Globalization. Students who score proficiently on the final exam may receive college credit for the course.

G04H12 US Government & Civics EOC: No Grades: 10-12
This course covers the purpose, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise the rights and responsibilities at the local, state and national level.

G04H13 Economics EOC: No Grades: 10-12
Economics examines the allocation of scarce resources and the economic reasoning used by government agencies and by the people as consumers, producers, savers, investors, workers, and voters. Key topics include scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade.

Personal Finance EOC: No Grade: 12
Personal Finance is designed to inform students how individual choices directly influence occupational goals and future earnings potential. Topics include income, money management, spending and credit, as well as a savings investment. Students will design personal and household budgets; simulate the use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management.

DCG04HB3 SDC American History EPSO EOC: No Grades:11-12
State-wide Dual Credit American History explores the topics chronologically beginning with Post Civil War through 9/11. Students who score proficiently on the final exam may earn college credit.

APG04H30 AP Human Geography EPSO EOC: No Grades: 9-12
The AP HUMAN Geography course is equivalent to an introductory college-level course in human geography. It introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students who score 3 or higher on the final exam may receive college credit.

PHYSICAL EDUCATION DEPARTMENT

- G08H02 Lifetime Wellness EOC: No Grades: 9-10
This course is recommended for all students in 9th grade. It encourages an active, healthy lifestyle. Students will explore growth, aging, emotional health, nutrition, disease prevention, substance abuse, and fitness.
- G08H00 Physical Education I EOC: No Grades: 9-11
PE I is a class where students will learn and play a variety of physical games and sports.

JROTC DEPARTMENT

- G08H04A ROTC I, II, III, IV A EOC: No Grades: 9-12
Citizenship, leadership, teamwork, and physical fitness are emphasized along with proper response to authority and respect for the Air Force's role in our country.
- G08H04B ROTC I, II, III, IV B EOC: No Grades: 9-12
Citizenship, leadership, teamwork, and physical fitness are emphasized along with proper response to authority and respect for the Air Force's role in our country.

WORLD LANGUAGES DEPARTMENT

- G24H04 Spanish I EOC: No Grades: 9-11
The objectives of Spanish I are to develop students' listening, speaking, and writing skills with the goal of basic communication in Spanish. The course will also acquaint students with the culture of the Spanish-speaking world.
- G24H05 Spanish II EOC: No Grades 10-12
Spanish II builds on skills acquired from Spanish I with a concentration on new vocabulary words and verb tenses. Students will continue to improve communication in Spanish.

G24H29 German I
This course is designed to study the basic skills necessary for learning a foreign language. Skills such as listening, speaking, and writing are stressed through exercises and drills. Cultural aspects of Germany are emphasized.

G24H30 German II
German II is a course that provides more in-depth study of grammar and vocabulary. Readings, themes and dictation allow students to practice newly acquired information. Cultural studies include history, government, science and fine arts.

FINE ARTS DEPARTMENT

Art

G05H08 Visual Art I EOC: No Grades: 9-12
Art I focuses on art history, art criticism, and art production. This course will cover all the elements and principles of design. Students will use pencil, pen and ink, paint, charcoal, pastels, and various other media.

G05H09 VisualArt II EOC: No Grades: 10-12
This course is a more in-depth study of art history, art criticism, and art production. Art II will explore art elements and principles of design at a higher level.

G05H10 Visual Art III EOC: No Grads: 11-12
Visual Art III is an advanced course for those students who may want to pursue a career in an art-related field. The objective will be to create artworks that demonstrate increasing ability to apply knowledge of the elements of art and principles of design in the research, production, and criticism of visual art.

Theatre

G05H16 Theatre Arts I EOC: No Grades: 9-12
Theatre I introduces students to the art of dramatic performance. Students taking the course will learn acting techniques that include

the use of body language, voice, and script analysis. Students will also learn about the history of drama, the methods of creating unique characters, the concepts of public speaking, and the process of play production from auditions to final performances.

G05H17 Theatre Arts II EOC: No Grades: 10-12

This course focuses on the development of a full-length production that the students will develop for performance. Students will perform the production staff positions as well as the acting. Students will go through the entire process of a production, from selection of a play, direction, technical development, business management, and performance.

G05H18 Theatre Arts III EOC: No Grades: 11-12

It is a continuation of the work covered in Theatre Arts II in an advanced context. Students will engage in more intensive preparation of their craft. The creative physical, emotional, and mental aspects of performance are studied through scene work, monologues, and improvisations.

G05H19 Theatre Arts IV EOC: No Grade: 12

In this course, we will examine improvisation, audition process, monologues, duets and group scenes, theatre history, movement, voice and diction, playwriting, and theatre literature. Students will write and produce original material.

Instrumental Music

G05X14F Band- Fall EOC: No Grades: 9-12

Marching Band includes woodwind, color guard, brass, and percussion. Practice begins during the summer along with a commitment to band camp as well as performing at 12 football games and numerous competitions. Participation at select other events, ie. parades, basketball games, community events may also be required.

G05X14S Band- Spring EOC: No Grades: 9-12

Orchestra includes woodwind, brass, and percussion instruments. This is an extension of those students who have taken band in

middle school or private lessons for at least two years. There will be at least two major performances per year.

Vocal Music

G05X12 Chorus/Choir EOC: No Grades: 9-12
This is a mixed performance chorus class that teaches the basics of vocal production. Students will be required to participate in several public appearances.

WORK-BASED LEARNING

C25H16 Work-Based Learning EOC: No Grades: 11-12
This course includes curriculum that integrates classroom instruction with productive, progressive, supervised, work-based experiences/apprenticeships (Paid) and internships (Unpaid), related to students' career objectives.

TEACHING AS A PROFESSION

C32H28 SDC Introduction to Education EOC: No Grades: 9-12
This is a course for those interested in a teaching career. Activities will include a focus on developing systematic observation skills and an overview of the dimensions of teaching. Students who score proficiently on the final exam may receive college credit for the course.

CRIMINAL JUSTICE

C30H00 *Criminal Justice* EOC: No Grades: 9-12
This course will introduce topics related to the criminal justice field. Current issues will be researched on the context of local, state, and federal laws. Students completing this course may also participate in the Mock Trial competition in the Spring.

CAREER AND TECHNICAL EDUCATION (CTE)

Advanced Manufacturing

- C13H05 Principles of Manufacturing EOC: No Grades: 9-12
Principles of Manufacturing is designed to provide students with exposure to manufacturing. Students will complete all core standards. Throughout the course, students will develop an understanding of the steps involved in the manufacturing process.
- C13H12 Welding I EOC: No Grades: 9-12
In this course students will learn the basic skills and knowledge related to cutting and welding applications. Course content includes safe practices, career research, leadership development, and basic arc welding and thermal cutting skills.
- C13H10 Welding II EOC: No Grades: 10-12
This course follows Welding I. Students will learn more advanced skills and knowledge related to cutting and welding applications.

Hospitality and Tourism

- C16H06 Culinary Arts I EOC: No Grades: 9-12
Culinary I equips students with the foundational knowledge and skills to pursue careers in the culinary field as a personal chef, caterer, executive chef, and food and beverage manager. Students will acquire knowledge of commercial kitchen safety and sanitation, history of the foodservice industry, careers, nutrition, recipe basics, proper tools and equipment, and kitchen staples.
- C16H07 Culinary Arts II EOC: No Grades: 10-12
Culinary Arts II builds on the knowledge from Culinary Arts I. Students will acquire knowledge of menu planning, food presentation, purchasing and inventory, preparation skills, and cooking principles.
- C16H08 Culinary Arts III EOC: No Grades: 11-12
Culinary Arts III builds on knowledge from Culinary Arts I and II. Students will focus on kitchen safety, dining room service,

bakeshop preparation, and advanced cooking principles.

C16H09 Culinary Arts IV EOC: No Grade: 12
Culinary Arts IV builds on knowledge from Culinary Arts I-III. Students who participate in this class should have a serious goal of working in the Culinary Arts as a profession. Students will lead entrepreneurial efforts and hone their skills.

Human Services

C19H12 Cosmetology I EOC: No Grades: 9-12
This course prepares students with work-related skills into the Design Principles of Cosmetology. Students acquire basic fundamental skills in both theory and practical applications of skill development. Content stresses safety, environmental issues, and production as integrated with principles of hair design, nail structure, and cosmetic procedures.

C19H14 Cosmetology II EOC: No Grades: 10-12
This course focuses on the chemistry of cosmetology. The objectives include hair design, nail artistry, and cosmetic Applications.

C19H13 Cosmetology III EOC: No Grades: 11-12
This is an advanced course in which students will simulate cosmetology work experiences.

C19H21 Cosmetology IV EOC: No Grade:12
This fourth course in Cosmetology is for those students who are seriously considering a career in Cosmetology and who will require additional hours of experience.

Agriculture, Food, and Natural Resources

C18H19 Agriscience EOC: No Grades: 9-12
This course is designed as the foundational course. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri related

technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

- C18H20 Small Animal Science EOC: No Grades:9-12
Students learn how to care for and manage small animals, focusing on instructional areas in animal health, nutrition, management, reproduction, and evaluation. Course content also includes instruction in the tools, equipment, and facilities for small animal care, and provides activities to foster leadership development. Live animal handling may occur.
- C18H27 Large Animal Science EOC: No Grades: 9-12
These courses teach students how to feed, breed and care for animals and can have a focus on domesticated, farm or lab animals. Common concepts covered in these classes include:nutrition, anatomy and physiology, beef cattle management, equine health and slaughterhouse inspection.
- C18H25 Applied Environmental Science EOC: No Grades: 9-12
This is an introductory course for students who wish to study topics relating to the environment, its resources, quality and ethical issues. It includes many aspects of biology, earth and atmospheric sciences, fundamental principles of chemistry and physics, human population dynamics, and an appreciation for the Earth and its natural resources.
- C18H28 Natural Resources Management EOC: No Grades: 9-12
This course is designed to help students develop an awareness of renewable and nonrenewable natural resources, land management, water resources management, wildlife management, and forest management.
- C18H30 Principles of Plant & Hydroculture EOC: No Grades: 9-12
This course introduces students to the areas of the horticulture industry. Topics include leadership, greenhouse management, garden center operations, floriculture, nursery operations, landscaping, and turfgrass management. An introduction to soil and plant science is included.

- C18H17 Greenhouse Management EOC: No Grades: 9-12
Greenhouse Management is an applied-knowledge course designed to prepare students to manage greenhouse operations. This course covers principles of greenhouse structures, plant health and growth, growing media, greenhouse crop selection and propagation, and management techniques.
- C18H41 Principles of Agribusiness EOC: No Grades: 9-12
Students will learn the ins and outs of running a farm or other agricultural business, and they will gain new perspectives on international agricultural markets, trends and regulations. Topics covered in these classes include economics, farm finance, supply chain management, Farm to table production, and organizational leadership.
- C18H16 Land & Turf Management EOC: No Grades: 9-12
This course includes standards to prepare students for creating beautiful environments for homes and businesses. This includes site analysis and preparation, landscape drawing, plant selection, and installation. Maintenance of healthy landscapes will be emphasized.

Transportation, Distribution, and Logistics

Automotive Maintenance & Light Repair

- C20H09 Maintenance and Light Repair I EOC: No Grades: 9-12
The Maintenance and Light Repair I course introduces career opportunities and requirements of a professional service technician. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills.
- C20H10 Maintenance and Light Repair II EOC: No Grades: 10-12
The MLR II course is designed to study automotive general electrical systems. Starting and charging systems, batteries, lighting, and electrical accessories.

C20H11 Maintenance and Light Repair III EOC: No Grades:11-12
In MLR III students study and service suspension and steering systems and brake systems.

Automotive Collision Repair

C20H20 Intro to Collision Repair EOC: No Grades:9-12
This course introduces the basics of safety, as well as equipment identification and use. Students are introduced to a variety of collision repair and refinishing practices, such as metal cutting, straightening and welding. Bolt-on replacement panel installation and panel alignment is introduced and practiced. Students are instructed in hand tools and their use, abrasives and their applications and fastener identification. Students learn of the extensive variety of careers available within the collision, repair and refinishing industry.

C20H13 Collision Repair: Nonstructural EOC: No Grades:10-12
In this course students examine the many types of contemporary vehicle construction. Repair strategies are formulated based on vehicle construction to provide safe, quality, permanent repairs. Students are instructed in and practice repair procedures for minor damage on actual vehicle parts. Fastener applications are examined. Cutting, welding and shaping of various metals are taught and practiced along with panel straightening. Appropriate use of body filler application, shaping and finishing is taught.. Students practice body filler application and finishing on actual vehicle parts. Compressed air systems and the components are investigated. The many processes of painting and refinishing are introduced and demonstrated with primers, base coats and finish coats. Masking is introduced and practiced.

C20H14 Collision Repair: Paint & Finish EOC: No Grades: 11-12
In this course, instruction in painting and refinishing is expanded. Complete vehicle refinishing is introduced and practiced with advanced masking. Students apply multistage coatings. Plastic component repair and advanced abrasives are covered. Fixed and

movable glass replacement is taught and practiced as is computer estimating. The students will perform in-school auto repair work for customers as it relates to the curriculum.

C20H19 Collision Repair: Estimation EOC: No Grades: 11-12
In this course perimeter, box and unibody frame measurement and damage determination and repair are taught, demonstrated and practiced. Frame measuring and measuring systems are introduced and practiced. Students diagnose and repair steering and suspension systems. Weld-on and bonded panel installation is demonstrated and practiced. Collision shop business management and customer service are introduced and discussed.

Health Sciences

C14H14 Health Science Education EOC: No Grades: 9-12
Health Science Education is the introductory health science course. Students will discover the wide variety of career choices available in healthcare and learn the qualities they need to achieve success in a healthcare career choice. Topics include basic anatomy, legal aspects, infection control, and other health-related topics.

C14H15 Medical Therapeutics EOC: No Grades: 10-12
Medical Therapeutics investigates anatomy, physiology, and careers related to the medical therapeutic cluster. Pharmacology, safety, nursing, and additional healthcare careers are included.

C14H09 Anatomy & Physiology EOC: No Grades: 11-12
This course is designed to develop an understanding of the structures and functions of the human body. .

C14H16 Nursing Education EOC: No Grades: 9-12
This course includes theory content, skills practice and delivery of care to acute patients and long term residents. This course meets on campus for both theory and skills lab and in healthcare facilities.

C14H11 Clinical Internship EOC: No Grades: 12
This is a work-based learning experience designed to provide

students with real-world application of skills and knowledge from previous health science courses.

C14H13 Emergency Medical Services EOC: No Grades: 11-12
This course covers techniques of patient assessment, clinical decision-making and treatment techniques for proper emergency patient care. Included is an introduction to anatomy & physiology, medical terminology, acquiring vital signs, medication administration, splinting, patient movement, incident management, hazardous materials, scene safety, medical illnesses, traumatic injuries and pediatric patient care.

C14H08 Rehabilitation Careers EOC: No Grades: 9-12
The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry.

Business Management and Administration

C12X00 Computer Applications EOC: No Grades: 9-12
Students will use a variety of computer software and hardware tools; explore the social, business, and ethical issues of using computer technology; and develop skills in word-processing, spreadsheet, database, and presentation applications.

C12H16 Business Communications EOC: No Grades: 10-12
Students will practice choosing and using appropriate tools for business communications with particular emphasis on electronic media including Microsoft Word, email, blogs, and Adobe software.

C12H25 Advanced Computer Applications EOC: No Grades: 11-12
This course focuses on project-based learning activities in which students will practice problem-solving, leadership, and communication skills using integrated technologies and advanced Microsoft Office skills.

Architecture and Construction

Residential & Commercial Construction

- C17H15 Fundamentals of Construction EOC: No Grades: 9-12
This course will introduce students to basic skills and knowledge applicable to all construction trades. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and applicable algebraic and geometric principles to construction problems.
- C17H24 Residential & Commercial I EOC: No Grades: 10-12
Residential & Commercial Construction I introduces students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on plans; and framing post and beam structures.
- C17H25 Residential & Commercial II EOC: No Grades: 11-12
In this course, students will extend the skills learned in R&EC I. Topics covered include stairs, installation and trim of windows and doors, gypsum wallboard, exterior finish work, and moisture protection.
- C17H22 Construction Practicum EOC: No Grades: 11-12
Construction Practicum is a capstone course intended to provide students application of the skills and knowledge learned in the previous courses. Students refine their skills of problem-solving, communication, teamwork, and project management in the completion of on-site and off-site construction projects.

Architectural & Engineering Design

- C17H13 Architectural & Engineer Design I EOC: No Grades: 9-12
In this course students will build foundational skills in sketching, manual drawing, computer-aided drawing, and visualization of three-dimensional objects in a two-dimensional environment.

C17H14 Architectural & Engineer Des. II EOC: No Grades: 10-12
This course is a continuation of A&ED I. Students will learn about dimensioning, sectioning, auxiliary view, architectural floor plan design, bridge design, as well as other projects.

C28H10 Architectural & Engineer Des. III EOC: No Grades: 10-12
In this advanced course, students will apply technical drawing and design skills. Students will initiate and complete a design project that reflects their engineering/design interests.

C17H22 Engineering Practicum EOC: No Grades: 11-12
This capstone class allows students to continue their study of technology, technical drawing, engineering, robotics or architecture. Students will work with their instructor to design an independent advanced project to continue studies. Students will collaborate with a team of mentors from both in the school and the community to design their final project.

Information Technology

C10H11 Computer Science Foundations EOC: No Grades: 9-12
This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs.

C10H10 Computer Systems EOC: No Grades: 9-12
In this course, students will apply problem-solving skills to real-life situations through word processing, spreadsheets, databases, and multimedia presentations, and integrated software activities. Students will work individually and in groups to explore computer concepts, operating systems, networks, telecommunications and emerging technologies.

C10H19 Cybersecurity I EOC: No Grades: 10-12
The course describes the Cyber Security and Digital Forensics

fields and their policies and procedures. It introduces the technologies used in the field, such as: hardware, basic computer networking, and cyber security tools.

C10H20 Cybersecurity II EOC: No Grades: 10-12
The course design addresses the fundamental implications of technology, the history of securing information and the relationship to the evolution of technology, and the need to securely transmit and store information. This is not a “hacking” class but we are looking at the ways computers, programs, networks, and people are exploited by hackers, and what we can do to prevent or minimize the damage caused by bad actors.

C10H16 Web Design Foundations EOC: No Grades: 9-12
This course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites.

Digital Media EOC: No Grades: 9-12

Audio/Visual I EOC: No Grades: 9-12

Audio/Visual II EOC: No Grades: 9-12

HVAC

TBD

Additional Electives

Criminal Justice EOC: No Grades: 9-12

