



Course Descriptions 2016-2017



COFFEE COUNTY CENTRAL HIGH
**STUDENT
 COUNSELING
 CENTER**

"ACADEMIC SUCCESS, CAREER PLANNING, AND
 PERSONAL & SOCIAL DEVELOPMENT FOR ALL STUDENTS"

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Language Arts Department

English II

1 Credit

Prerequisite: None

English II is a world literature-based course that builds on and integrates language, literacy and composition skills. Historical and cultural elements are explored in relation to literary selections from a variety of genres: fiction (novel, short story), nonfiction (autobiography, biography, essay), poetry, and drama including, but not limited to, works from authors such as Alvarez, Shakespeare, and Wiesel. Vocabulary is studied continuously in context with literature, and grammar usage and mechanics skills are enhanced through composition in a variety of formats including essays, research, and oral presentations using the MLA format for documentation. Additional emphasis is placed on informational texts and oral and written communication for personal, expressive, informational, critical, and argumentative purposes. This course will be graded on a 100 point scale. A list of required materials will be provided. A lab fee is requested.

English II Honors

1 Credit

Prerequisite: Teacher recommendation, an "A" in previous *Regular* English course or a "B" or higher in previous *Honors* English course.

This course includes the same content as English 2 with a more in-depth study of world literature, writing, vocabulary, and research. It is designed for students interested in a college-bound learning environment. Literary analyses will include, but not be limited to, a collection of short stories, Solzhenitsyn's *A Day in the Life of Ivan Denisovich*, Wiesel's *Night* and Shakespeare's *Julius Caesar*. In addition, students will read and analyze at least one supplementary work (including non-fiction texts) per nine weeks. Assignments are designed to prepare students for the discipline of advanced upper-level courses and success in a college-preparatory curriculum. Students taking this class should be prepared to do extensive research, prepare and deliver oral presentations, and complete homework assignments on a daily basis. Book reports (both written and oral) and independent projects will also be required. This course is graded on a 103-point scale. A list of required materials will be provided. A lab fee is requested.

English III

1 Credit

Prerequisite: None

This course is a survey of American Literature that primarily focuses on literature from the Civil War Reconstruction time period to modern day. Major literary works studied may include *The Crucible*, *The Great Gatsby*, *One Flew Over the Cuckoo's Nest*, and *Fahrenheit 451*. Historical and literary elements are explored in relation to literary selections from each time period through discussion, reading of novels, research projects, and complementary writing assignments. This course is writing-intensive. Students are instructed in research skills and will be required to do research projects and give presentations; other writing is focused on analytical, argumentative, and expository topics. Grammar usage and mechanics are taught through composition development. A list of required materials will be provided at the beginning the school year. A lab fee is also requested. This class is graded on a 100 point scale.

English III Honors

1 Credit

Prerequisite: Teacher recommendation, an "A" in previous *Regular* English course or a "B" or higher in previous *Honors* English course.

A summer reading/writing assignment may be for this course.

This course is similar to English III. Additional reading and writing homework will be assigned because the course moves at a faster pace and the assignments will require students to go into more depth. Supplementary texts, including novels such as *The Road* by Cormac McCarthy and *Tuesdays with Morrie* by Mitch Albom, may also be assigned. The additional works and assignments are designed to prepare the student for the rigor of Honors or AP English IV and success in a college-preparatory curriculum. A list of required materials will be provided at the beginning the school year. A lab fee is also requested. This class is graded on a 103 point scale.

AP English III: English Language and Composition

1 Credit and college credit based on score on AP exam

Prerequisite: Students should have taken Honors English II and scored no lower than a "B" in that course. A score of 21 on the English subtest of the ACT or a 19 on the PLAN test is strongly recommended. Students are required to take the AP exam and the exam fee is due two weeks after school begins.

Objectives and course requirements are taken from the AP English Language and Composition Course Description published by the AP College Board.

Participants will be exposed to a broad range of nonfiction selections along with selected fictional works. Students will develop an awareness of rhetoric and the use of language. Through writing, viewing, and reading they will analyze, argue, synthesize, generalize, and evaluate a variety of genres including, but not limited to essays, speeches, letters, short stories, poetry, and novels. Upon entering the course, students will be expected to have a broad vocabulary, which will be further developed and expanded through contextual reading and strategic implementation. Students should be writing at college entry level to enroll in this course. In addition, students will conduct extensive research in order to prove or disprove an argument. They will cite their research by using the MLA editing style. Students will be required to participate in oral presentations. The main objective of the course will be to prepare students to be successful on the AP Language Exam which should result in college credit. This class is scored on a 105 point scale. A lab fee is requested.

English IV

1 Credit

Prerequisite: None

English IV is a survey of British literature from the Anglo-Saxon time period to the present in which students will develop English literacy and composition skills. Historical and cultural elements are explored in relation to literary selections from each time period, and vocabulary is studied continuously in context with literature. Grammar usage and mechanics are taught through composition development that includes literary analysis and research. Up to three novels are assigned each year written by authors such as Mary Shelley and George Orwell. Students will demonstrate the ability to gather and organize research for the purposes of composing an analytical research paper. A list of required materials will be provided at the beginning of each year. An English fee may also be requested.

English IV Honors

1 Credit

Prerequisite: Teacher Recommendation, an "A" in previous *Regular* English course or a "B" or higher in previous *Honors* English course.

A summer reading assignment is required for this course.

This course is similar to English IV. Additional outside reading and writing will be expected as students will be required to analyze the material at a more in-depth level. Supplementary texts, including novels, may also be assigned. This course is designed to prepare the student for a college-preparatory curriculum. A list of required materials will be provided at the beginning of the school year. A lab fee will be requested. This class is graded on a 103 point scale.

AP English IV: English Literature and Composition

1 Credit

Prerequisite: Recommend an "A" average in English III or "B" Average in Honors English III or AP English III; A 21 on the English subtest of the ACT or a 19 on PLAN test is recommended.

The AP Literature and Composition course is a college-level, literature-based course that follows the curricular requirements found in the AP English Course Description published by the College Board. Concentration is on the experience, interpretation, and evaluation of literature in all forms. Special consideration is given to British works of significant literary merit from a variety of genres: fiction (novel, short story) literary nonfiction (biography, essay), poetry, and drama from the Anglo-Saxon period to the present. Students write to explore, explain, interpret, and evaluate works. Timed writing assignments and formal writing assignments concentrate on the analysis, effectiveness, and relevance of a work. Different approaches to close reading of text are utilized, and various approaches to criticism are experienced in order to enhance the student's reading experience and ultimately improve his/her written work. Vocabulary is studied continuously in context with literature. Students have the option to take the Advanced Placement Examination in English Literature and Composition at the end of the school year to earn college credit. This course is graded on a 105 point scale. A list of required materials will be provided at the beginning of each year. An English fee may also be requested. Students will take the AP exam and the testing fee is due within two weeks of the beginning of school.

Public Speaking

½ Credit

Prerequisite: None

Recommended: No less than a "C" in previous English course

This semester course is designed for college-bound students interested in developing their public speaking skills. Basic content covers the organization, design, and delivery of various types of speeches (from informative to persuasive). Additional units of study will include interpersonal communication, group discussion, parliamentary procedure, oral interpretation, and debate.

Creative Writing

½ Credit

Prerequisite: None

This course is designed to both help students discover an outlet for their written creative expression as well as provide core curriculum enrichment opportunities. The course introduces students to journalism, poetry, script writing, blogs, short stories, songs, etc. Students will create several small projects throughout the semester and one large project at the end of the year. Students will be required to present their projects in front of their peers.

Journalism –Newspaper and Electronic Media

1 Credit

Prerequisite: Teacher approval

Newspaper is a hands-on course that teaches students the production and communication skills of journalism. Students must possess a willingness to conduct interviews with other students, staff, school personnel, community members, and professional journalists. Furthermore, they must conduct background research for assigned articles and submit articles by the stated deadline. In order to complete assignments and meet deadlines, students should also be willing work after school as necessary. In addition to writing articles, students will perform other duties such as writing headlines and cutlines, designing pages, distributing the newspaper, and participating in business management activities. Students will learn word processing skills, photography skills, and design skills associated with Adobe Photoshop and InDesign. As students gain experience, they will take on leadership roles and help mentor and coach new staff members. Students are also encouraged to write articles for community publications to gain further experience and to participate in a variety of journalism contests and workshops. As time permits, students will incorporate these print journalism skills into creating and maintaining an online publication that may also include blogs and podcasts.

Journalism –Yearbook

1 Credit

Prerequisite: Teacher approval

Yearbook is an application-based course that teaches students the production and communication skills of journalism. Students must be willing to conduct interviews, sell advertisements, take photos inside and outside of school, submit all pages on time, and work in all other areas of production. Students will learn computer skills, digital photography, photo correction, graphic design, theme development, and all other applications necessary to complete the yearbook. Yearbook is a student-led organization with top level positions of Editor-in-Chief and Business Manager. Leadership skills will be developed within the staff to train new staff members and to prepare students for leadership positions as they progress through the program. Although yearbook staff members are expected to continue on staff from year to year, positions are not guaranteed. All members must reapply for positions. Yearbook specific computer programs will be used along with other word processing and spreadsheet applications to accomplish the varied tasks in yearbook design and completion. Yearbook staff members must maintain a predetermined level of attendance and academic achievement to remain on the staff. Applicants must complete an application, meet academic and behavioral minimums, and complete a staff interview. The final selection will only be made by teacher approval.

Mathematics Department

Geometry

1 Credit

Prerequisite: Successful completion of Algebra I

This course covers the same core geometric concepts required in standard geometry and includes additional topics focusing on career and technical applications. The students in this course will apply inductive and deductive reasoning, using discovery methods to study and analyze plane figures, congruent and similar figures, right triangles, circles, parallel lines and coordinate geometry. Teaching groups of skills and concepts are incorporated. This course is designed for students who need extra basic algebra remediation to be successful in the next levels of mathematics.

Geometry Honors

1 Credit

Prerequisite: Successful completion of Algebra I Recommended: An "A" or "B" in Algebra I

Honors Geometry is a continuation of Honors Algebra II. Geometry is the study of space and its mathematical constructs. Students will be exposed to situations that will require them to develop their deductive and inductive reasoning skills, both formally and informally. Students will discover and prove several concepts using constructions and formal proofs. The vocabulary of Geometry is extremely important and much time will be spent on terminology along with conditional statements to be used in proofs. It should be noted that this course is at an accelerated pace with a comprehensive scope. This course is graded on a 103-point scale.

Algebra II

1 Credit

Prerequisite: Successful completion of Algebra I

Algebra II builds on the skills acquired in Algebra I. Concepts emphasized are an analysis of function families (linear and non-linear), solving systems of equations, quadratics, complex number systems, graphing, probability, data analysis, and logarithmic and exponential functions. All students will be given the state required end-of-course exam valued at 25% of the second semester grade.

Algebra II Honors

1 Credit

Prerequisite: Successful completion of Algebra I Recommended: An "A" or "B" in Algebra I

Algebra II builds on the skills acquired in Algebra I. The pace of this course is rigorous. The technology of the graphing calculator (required) will help students apply mathematics in problem solving analysis and justification. Students will be required to complete a project each nine weeks utilizing the material learned. Concepts emphasized are analysis of function families (linear and non-linear), solving systems of equations, quadratics, complex number systems, graphing, probability, data analysis, conic sections, and logarithmic and exponential functions. All students will be given the state required end-of-course exam valued at 25% of the second semester grade. This course is graded on a 103-point scale.

Bridge Math

Credit: 1

Prerequisite: Algebra II (Seniors only) Must have scored below 19 on ACT math subtest

This course is designed to prepare students for college level mathematics. Included in the course of study are diagrammatic, verbal, symbolic, graphical and numerical mathematics. A new approach will be used to develop concepts, make connections and support concepts through applications with numbers, geometry, functions and data. The Bridge Mathematics course is designed for students who have not scored a 19 or higher on the ACT by the beginning of the senior year.

Statistics

Credit: 1

Prerequisite: Must have successfully completed Algebra II (Seniors only)

Through the investigation of meaningful problems students will represent, describe, explore and analyze data; perform statistical experiments including deciding what and how to measure; plan a study; anticipate patterns; produce models; use probability and simulation; confirm models, and explore statistical inference.

PreCalculus

1 Credit

Prerequisite: Algebra II and Geometry

This course will emphasize trigonometric functions and covers graphs, triangle solutions, inverse functions, and trigonometric equations. Other topics consistent with a college preparatory program are logarithmic and exponential functions, vectors, sequences and series, analytic geometry and the use of graphing calculators. The course includes analyzing functions and data and using models to draw conclusions or make predictions.

PreCalculus Honors

1 Credit

Prerequisite: Algebra II and Geometry Recommended: An "A" or "B" in previous Math course

This course will emphasize trigonometric functions and covers graphs, identities, triangle solutions, inverse functions, trigonometric equations, and polar equations. Other topics consistent with a college preparatory program are logarithmic and exponential functions, vectors, sequences and series, analytic geometry and the use of graphing calculators. The course includes analyzing functions and data and using models to draw conclusions or make predictions. This course is graded on a 103-point scale.

Honors Statistics

1 Credit

Pre-Requisite: Algebra II (honors if upcoming Junior)

Recommend: "A" or "B" in Algebra II

Through the investigation of meaningful problems students will represent, describe, explore and analyze data; perform statistical experiments including deciding what and how to measure; plan a study; anticipate patterns; produce models; use probability and simulation; confirm models, and explore statistical inference.

AP Statistics

1 Credit

Prerequisite: Algebra II Seniors only. Juniors may take in conjunction with Honors Pre-Calculus.

Recommended: An "A" or "B" in Algebra II

Advanced Placement Statistics is an activity-based course that introduces students to the fundamental concepts and techniques employed when working with data. The course exposes students to four broad conceptual themes: exploratory analysis, planning a study, modeling using probability and simulation, and testing hypotheses using statistical inference. Graphing calculators will allow students to focus deeply on the concepts involved in statistics. Statistics is the blend of the rigor calculations, and deductive thinking of mathematics, the real-world examples and problems of the social sciences, the decision-making needs of business and medicine, and the laboratory method and experimental procedures of the sciences. What you learn in this course will help you prosper in the modern world. Students may receive college credit by taking the AP exam and meeting individual college requirements for the score. This course is graded on a 105-point scale.

AP Calculus AB

1 Credit

Prerequisite: Honors Pre-Calculus with a minimum B average.

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. Emphasis will be placed on applications of these concepts to science, business, and medicine. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Also, all students will take the AP exam with the testing fee due within two weeks from the start date of school, and students may receive college credit by taking the AP exam and meeting individual college requirements for the score. This course is graded on a 105-point scale.

Science Department

Biology

1 Life Science Credit

Prerequisite: None

This course is designed to familiarize students with the world of living things. Extensive laboratory experience, along with field trips, individual studies and a variety of classroom activities are provided. All students will be given the state required end-of-course exam valued at 25% of the second semester grade. Dissection is part of the lab experience.

Biology Honors

1 Life Science Credit

Prerequisite: None

Recommended: An "A" or "B" in previous science course. This course is strongly recommended for students who take AP Biology.

Honors Biology is a college preparatory course that lays the foundation for continued studies in Biological Sciences. This course includes the same content area as Biology but is intended for students interested in an accelerated classroom setting. Students taking this course will be expected to work well independently as well as in group settings. All students will be given the state required end-of-course exam valued at 25% of the second semester grade and is graded on a 103-point scale. Dissection is required.

Chemistry

1 Physical Science Credit

Prerequisite: None

This course examines the composition of matter and its changes. Atomic structure, matter and energy, properties of solutions, acids and bases are also investigated. It is designed for students with a background in math and science that wish to further their science interests. This course is highly recommended for anyone going to college especially those planning to major in science or a related field. An end-of-course test is given to all students.

Chemistry Honors

1 Physical Science Credit

Prerequisite: Successful completion of Algebra I

Recommended: An "A" or "B" in Algebra 1 and previous science course

This is an intensive college preparatory course in high school chemistry with emphasis on the experimental development of basic concepts through laboratory investigations, and the mathematical expression of laboratory findings. This course is designed to develop an appreciation of chemistry and to enhance scientific skills. This course is graded on a 103-point scale.

Physics

1 Physical Science Credit

Prerequisite: Successful completion of Algebra I

In this course, students study the relationship of matter and energy in fields such as mechanics, light, sound and electricity. Problem solving and laboratory experience are the main modes of study.

Physics Honors

1 Physical Science Credit

Prerequisite: Successful completion of Algebra I

Recommended: An "A" or "B" in Algebra I; credit in Geometry is strongly recommended.

This course is an intensive college-preparatory course designed for students interested in pursuing a career or continuing education in the field of science, engineering or medicine. Students study the relationship of matter and energy in fields such as mechanics, light, sound and electricity. Problem solving and laboratory experience are the main modes of study. This course is graded on a 103-point scale.

Anatomy & Physiology

1 Life Science Credit

Prerequisite: Successful completion of Biology

This course provides students with an understanding and working knowledge of the human body. It covers the systems of the body with emphasis placed on both the physiological as well as the anatomical aspects of the human body. Laboratory experience is included as a learning tool in this course. Dissection of the fetal pig and various sheep organs is required. University path students, especially those planning on a career in the medical or health field, would benefit from this course.

Anatomy & Physiology Honors

1 Life Science Credit

Prerequisite: Successful completion of Biology

Recommended: An "A" or "B" in Biology

Honors Anatomy is strictly a college preparatory course providing students with an in depth, intensive study of the nine systems of the human body. Laboratory experiences and computer-aided instruction are included as learning tools in this demanding course. This course covers the same content as Anatomy and Physiology but in a more accelerated setting. Students conduct scientific studies and learn how to do technical reports. Dissection of the fetal pig and various sheep organs is required. University path students, especially those planning on a career in the medical or health field should take this course. This course is graded on a 103-point scale.

AP Biology II

1 Life Science Credit

Prerequisite: Successful completion of Biology. May currently be enrolled in Honors Chemistry.

Recommended: An "A" or "B" in Biology and Chemistry. A 21 on the ACT or 19 PLAN test score on the Science subtest is recommended. AP Biology is designed as the equivalent of a college introductory biology course. This course is a continuation of the first year of biology but takes a more in depth-approach to all topics studied. Topics to be studied include molecular biology, genetics, evolutionary biology, and ecology. Units are organized according to the 8 major themes from the AP Biology curricular requirements. This course is also an intensive laboratory-science course for students interested in pursuing a biology or science major in college. A minimum of 25% of instructional time is used to complete the 12 laboratory investigations that are mandated by the College Board, as well as to complete both teacher-generated and on-line labs. Each student is required to read and learn materials outside of the text, which may not be covered in lecture. The average AP course requires approximately 7 hours per week of preparation time. Students take the Advanced Placement exam at the end of this course. All testing fees are due within two weeks from the beginning of school. College credit may be granted by some colleges/universities for a qualifying score. AP Biology is graded on a 105-point scale. Dissection is required.

AP Chemistry II

1 Physical Science Credit

Prerequisite: Successful completion of Chemistry

Recommended: An "A" or "B" in Chemistry and Algebra I

This is an intensive college level study of all chemical processes. Included is the study of matter, periodic properties, and mass/mole relationships. This is a fast-paced science course that is equivalent to first-year college chemistry. A minimum of five (5) hours a week of outside study is recommended by the College Board. Students take the Advanced Placement exam at the end of this course. College credit may be granted by colleges/universities for a qualifying score. All testing fees are due within two weeks from the beginning of school. This course is graded on a 105-point scale.

AP Physics

1 Credit

Students will explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Successful completion of the course will prepare the student to take the College Board Advanced Placement Examination to receive college credit. Students will take the AP exam and all testing fees are due within two weeks of the beginning of school.

Social Studies Department

World History

1 Credit

Prerequisite: None

This course introduces students to political, cultural, economic and social aspects of world civilizations commencing from pre-historic times to the present.

U.S. History

1 Credit

Prerequisite: Suggested completion of World History, World Geography, or AP Human Geography

This course begins with America's Westward Expansion and Immigration Boom during the late 19th Century, and continues through our present time. The objective is to put U.S. History under a political, cultural, economic and social microscope. Instruction is aimed at helping students make connections between their current realities and events in our nation's past. All students will be given the state required end-of-course exam valued at 25% of the second semester grade.

U.S. History Honors

1 Credit

Prerequisite: Suggested completion of World History, World Geography, or AP Human Geography

Recommended: An "A" or "B" in the previous social studies course.

This course begins with America's Westward Expansion and Immigration Boom during the late 19th Century, and continues through our present time. The objective is to put U.S. History under a political, cultural, economic and social microscope. Instruction is aimed at helping students make connections between their current realities and events in our nation's past. This honors level course will be more of an emphasis on writing and more in-depth analysis than a regular course. All students will be given the state required end-of-course exam valued at 25% of the second semester grade. This course is graded on a 103-point scale.

AP U.S. History

1 Credit

Prerequisite: None

Recommended: An "A" or "B" in a previous social studies course. A 21 ACT or 19 PLAN test score in reading is recommended.

AP U.S. History is a survey course oriented to mature, responsible, college-bound students. The course, which covers pre-contact through current events, is divided into 16 units of study. It is structured and taught as an introductory college course, with emphasis on historical analysis, writing, research and preparation for the national Advanced Placement exam. All students will take the AP exam with the testing fee due two weeks from the beginning of school. This course is graded on a 105-point scale.

U. S. Government

½ Credit

Prerequisite: None

This course emphasizes the structure, functions and powers of the government at the national, state and local levels. It is designed to familiarize students with the origin, history, and processes of the American political system.

U. S. Government & Politics Honors

1/2 Credit

Prerequisite: None

Recommended: An "A" or "B" in a previous social studies course.

Honors United States Government will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. Government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will learn through in class lecture, research-based projects, and discussion.

Economics

½ Credit

Prerequisite: Suggested completion of US History

Economics offers students a realistic approach to economics. It is designed to give students a practical, non-technical view of how economics affect our individual roles as consumers, bankers, citizens, and voters. Special emphasis is given to the consumer portion of economics and to economic organization for production.

Economics Honors

½ Credit

Prerequisite: Suggested completion of US History

Recommended: An "A" or "B" in a previous social studies course

This course offers students a realistic approach to economics. It is designed to give students a practical, non-technical view of how economics affect our individual roles as consumers, bankers, citizens, and voters. Special emphasis is given to the consumer portion of economics and to economic organization for

production. Students will be doing frequent readings to prepare for discussions over topics covered. There are several projects the students must complete involving various parts of the economy and may include posters, power points, speeches, etc. This course is graded on a 103-point scale.

AP European History

1 Credit

Prerequisite: None

Recommended: An "A" or "B" in a previous social studies course. A 21 ACT or 19 PLAN test score in reading is recommended.

AP European History emphasizes relevant factual knowledge about European history from 1450 to the present to highlight intellectual, cultural, political, diplomatic, social and economic developments. The course will teach students to analyze evidence and interpretations presented in historical scholarship. The course includes extensive instruction in analysis and interpretation of a wide variety of primary sources, such as documentary material, maps, statistical tables, works of art, and pictorial and graphic materials. All students will take the AP exam and the testing fee is due within two weeks of the beginning of school. The course will provide students with frequent practice in writing analytical and interpretative essays. This course is graded on a 105-point scale.

Psychology

1/2 Credit

Prerequisite: None

Psychology is designed to acquaint students with the concept of human behavior. This elective provides a general introduction to the field of psychology. Specific topics include the following: learning and creativity, perception, theories of personality, human growth and development, and abnormalities.

Psychology involves group work, independent reading/research, and active participation by the student.

AP Psychology

1 credit

Prerequisite: None

Recommended: An "A" or "B" in a previous social studies course. A 21 ACT or 19 PLAN test score in reading is recommended.

AP Psychology is a course that provides instruction in each of the following 14 content areas: History and approaches, Research methods, Biological bases of behavior, Sensation and perception, States of consciousness, Learning, Cognition, Motivation and emotion, Developmental psychology, Personality, Testing and individual differences, Abnormal psychology. Students will learn ethics and research methods used in psychological science and practice. Students will take the AP exam with testing fees due within two weeks of the start of school. This course is graded on a 105-point scale.

Contemporary Issues

1/2 credit

Prerequisites: None

Students will use inquiry skills to examine the issues that impact the contemporary world. Included in the course will be analysis of the historical, cultural, economic, and geographic factors that have raised certain issues to levels of concern in our nation and around the globe. Students will engage in research and problem solving in order to better understand and assess significant current issues.

Sociology

1/2 Credit

Prerequisite: None

Sociology is the study of individual and group relationships. Each week students will read and discuss newspaper or magazine articles about issues relating to culture, social class, online socialization, economics, health care, stereotyping, folklore, family, politics, social problems, deviant behavior, and civil rights.

Students will complete one individual research project and one group research project per nine weeks of the semester course. Students will view and discuss media clips and videos relating to the weekly lesson's topic, in addition to reading material from the text book. This course serves as an introduction to sociology and helps students enhance their oral and written communication skills. It also engages students to reflect upon the importance of current events in their own lives.

Tennessee History (possible course)

½ credit

Prerequisite: None

Students will explore Tennessee History and its impact on contemporary Tennessee issues.

Capstone Leadership Experience

1 Credit

Seniors Only

Commonly known as soft skills, this course is designed to focus the student life and employability skills. These skills go beyond measurable tasks and are usually shown through a person's effectiveness in and outside the workplace.

Foreign Languages Department

French I

1 Credit

Prerequisite: None

This is an introductory course with emphasis on conversational skills and necessary elementary grammar. Students are introduced to the culture through the study of poems and short stories.

French I Honors

1 Credit

Prerequisite: None

Required: An "A" or "B" in previous English courses.

Honors French I includes the same content as French I but is designed for students interested in a more intensive classroom and learning environment. A project is required each nine weeks. This course is graded on a 103-point scale.

French II

1 Credit

Prerequisite: Successful completion of French I

This course is a continuation of French I emphasizing intermediate conversational and reading skills along with an introduction to literature.

French II Honors

1 Credit

Prerequisite: Successful completion of French I

Required: An "A" or "B" in French I

Honors French II includes the same content as French II but is designed for students interested in a more intensive classroom and learning environment. A project is required each nine weeks. This course is graded on a 103-point scale.

French III Honors

1 Credit

Prerequisite: Successful completion of French II

Required: An "A" or "B" in French II

Honors French III is designed for students interested in a more intensive classroom and learning environment focusing on French culture, language and literature. A project is required each nine weeks. This course is graded on a 103-point scale.

German I

1 Credit

Prerequisite: none

This class is designed for all students who want an introduction to a foreign language. Basic vocabulary, grammar, and conversation are taught with an emphasis upon learning basic language skills and developing an appreciation of the German culture.

Spanish I

1 Credit

Prerequisite: None

This course provides students with an introduction to the Spanish culture and language. Students will build competencies in reading, writing, listening and speaking for communicative proficiency.

Spanish I Honors

1 Credit

Prerequisite: None

Required: An "A" or "B" in previous English Courses

Honors Spanish I includes the same content as Spanish I but is designed for students interested in a more intensive classroom and learning environment. This course is graded on a 103-point scale.

Spanish II

1 Credit

Prerequisite: Successful completion of Spanish I

This course is a continuation of Spanish I and emphasizes developing communicative proficiency in reading, writing, listening and speaking. Spanish literature in the form of short stories, novels, and poetry will be covered as time permits.

Spanish II Honors

1 Credit

Prerequisite: Successful completion of Spanish I

Required: An "A" or "B" in Spanish I

Honors Spanish II includes the same content as Spanish II but is designed for students interested in a more intensive classroom and learning environment. This course is graded on a 103-point scale.

Spanish III Honors

1 Credit

Prerequisite: Successful completion of Spanish II

Required: An "A" or "B" in Spanish II

This is a course designed for students who are interested in continuing their study of Spanish culture, literature and language. Students will have the opportunity to explore literature through the use of authentic texts and film. Students should possess a strong background from previous levels of Spanish. This course is graded on a 103-point scale.

Fine Arts Department

Concert Choir

1 Credit

Prerequisite: None

Concert Choir is made up of males and females, freshmen through seniors. The class can be taken as ½ credit by taking either semester. Two or three concerts are performed during the year.

Show Choir

1 Credit

Prerequisite: Audition Required

Show Choir is a SATB group which performs higher level music and performs 6-10 concerts during the school year. After school rehearsal is required when necessary for performances.

Women's Chorale

1 Credit

Prerequisite: Audition Required

Women's Chorale is a SSA group. Students perform 4-6 concerts during the school year. After school rehearsal is required when necessary.

General Music

1 Credit

Prerequisite: None

This music course is for the non-musician that enjoys listening to music, as well as those with a background in music study seeking information outside of the performance arena. The course explores the role music plays in our lives including entertainment, dance, art, film, other cultures, religions, and musical theatre. The course may also give basic introductions to music mechanics, ear training, theory, harmony, composition, chords, rhythms, analysis, history, and styles. The course may include field trip(s). This course is helpful to all music students.

Instrumental Music (Band)

1 Credit

Prerequisite: Instructor approval

Students will audition in the fall, after marching season is over, and placed into one of the following two ensembles:

Wind Ensemble (Advanced Band)

Advanced band is designed for the advanced level band student. Emphasis is placed on improving music reading skills and performance techniques through standard and custom band literature. Participation in the All-State and Mid-State instrumental auditions is encouraged and emphasized. Private instrumental instruction is encouraged. Participation in marching band and concert band activities is required for the entire year. This course may require after school rehearsals, performances and/or field trip(s) that will be used as parts of the evaluation process. This course may also require designated fees for membership that can be alleviated through student/parent fundraising. Students can earn credit in each instrumental organization for multiple years.

Symphonic Band (Intermediate to Advanced Band)

Symphonic band is designed for the intermediate level band student and/or for those with limited instrumental experience. Emphasis is placed on improving music reading skills and performance techniques. Participation in the All-State and Mid-State instrumental auditions is encouraged and emphasized. Private instrumental instruction is encouraged. Participation in marching band and concert band activities is required for the entire year. This course may require after school rehearsals, performances and/or field trip(s) that will be used as parts of the evaluation process. This course may also require designated fees for membership that can be alleviated through student/parent fundraising. Students can earn credit in each instrumental organization for multiple years.

AP Music Theory

1 Credit

Prerequisite: Requires permission from instructor to enroll

Recommended: An "A" or "B" in previous Music course

AP Music Theory first helps students master the rudiments and terminology of music, including: Notational Skills, Intervals, Scales and Keys, Chords, Metric Organization and Rhythmic Patterns. The course incorporates a brief introduction to twentieth-century scales, chordal structures and compositional procedures. Students will learn the following procedures based in common-practice tonality: Functional triadic harmony in traditional four-voice texture, Tonal relationships and Modulation to closely related keys. The course also teaches standard rhythms/meters, phrase structure and small forms. Musical skills will be developed by the following exercises: Listening, Sight-singing, Written exercises, Creative exercises, and Analytic exercises. All students will take the AP exam with testing fees due within two weeks of the beginning of school. This course is graded on a 105-point scale.

Theater Arts I

1 Credit

Prerequisite: None

Theatre Arts 1 is offered to students who have had no acting, production, or technical training in theatre and want to learn the skills found in theatre today. Writing, Acting, Theatre History, and Artistic and Technical Production are all explored to provide a broad understanding of the many facets of theatre. This course places a strong emphasis on improvisation, pantomime, stage movement, oral interpretation, acting techniques, and theatre history. Theatre Arts 1 students will study the cultural contribution of theatre, its structure, the play, and its performance. *Students will be required to attend both productions over the year and 1 outside show (on your own) for the class.*

Theater Arts II

1 Credit

Prerequisite: Theatre Arts 1 or approval of theatre director

Theatre Arts 2 is an extension of the elements explored in Theatre Arts 1. This course is ideal for students who want to further their theatrical skills through work in acting, directing, writing, production, and theatre history. Advanced principles of production, directing, writing, and acting are studied and applied through performances in various theatrical applications. *Students will be required to volunteer one night of one performance as crew and attend the other production and one outside show (on your own) for the class.*

Theater Arts III

1 credit

Prerequisite: Theater Arts II or approval of theater director

The Theatre Arts III class studies the more advanced elements of theatre and drama that will help to prepare students interested in pursuing theatre in a post-secondary or work-related setting. Students are challenged with a more in-depth study of techniques, media, tools, and processes characteristic of drama as an art form. This course may require after school rehearsals and performances that will be used as part of the evaluation process.

Visual Arts

1 Credit

Prerequisite: None

Visual Arts is designed as a beginning art class, introducing a variety of art media. Drawing, Painting, Sculpture, Printmaking and Art History. This class satisfies the Fine Arts requirement for graduation. Art Education provides an environment which offers challenges to all students, builds on individual differences, and provides means by which students may express themselves and develop positive self-concepts. Seniors only.

HPER / JROTC Department

Wellness-Health

½ Credit

Prerequisite: None

This course provides students with a holistic approach to health which addresses disease prevention and control, nutrition, substance use and abuse, mental health, family life and sexuality, first aid and safety, and personal fitness. This course meets half of the graduation requirement of 1 credit in Lifetime Wellness.

Wellness-PE 1 (Physical Education) Semester 1

½ Credit

Prerequisite: None

Students are introduced to the fundamentals of individual and dual sports, which include skills, rules, and game strategy, as well as physical fitness. Emphasis in the class is placed on providing an opportunity for individual growth and success. This course meets the physical education half of the graduation requirement of 1 credit in Lifetime Wellness. This course may also meet the additional half credit of physical activity required for graduation.

Wellness-PE 2 (Physical Education) Semester 2

½ Credit

Prerequisite: None

Students are introduced to the fundamentals of team games and sports, which include skills, rules, and game strategy, as well as physical fitness. Emphasis in the class is placed on providing an opportunity for growth in teamwork and cooperation. This course meets the physical education half of the graduation requirement of 1 credit in Lifetime Wellness. This course may also meet the additional half credit of physical activity required for graduation.

Physical Training

½ Credit

Prerequisite: None

The purpose of this course is to enable students to acquire basic knowledge and skills in weight lifting, to improve muscular strength and endurance, and to begin to enhance self-image. Basic knowledge relevant to the physiology of strength and muscle power is considered with respect to methods of achieving specific goals.

Driver's Education 10th graders

½ Credit

Prerequisite: Must be at least 15 years of age to take this course or turn 15 during the time taking the course. Students deficient in credits will not be allowed to enroll in this course. Any student who chooses this course must choose an alternate course. Space is limited and assignment into the course is completely random.

Driver's Education consists of two major components: thirty hours (approximately seven weeks in the classroom) and six hours of hands-on experience behind the wheel of a vehicle. This is an introductory course that will improve knowledge and skill; however, students will need to receive additional supervised practice outside the class in order to prepare to obtain a driver's license and become a safe and knowledgeable driver. Students do not need a license or permit to drive while with a certified instructor; however, it is strongly encouraged that students acquire a permit while taking this course in order to gain additional practice outside of class. The driver education program has no relationship with securing a driver's license. Obtaining a driver's license is the parents' responsibility when they feel their child is adequately prepared.

JROTC: Aerospace Education—Air Force Junior ROTC

Each of the JROTC courses include an aerospace, leadership and wellness component as shown below in a 40/40/20% ratio respectively. An Aerospace Science (AS) component, a Leadership Education (LE) component, and a Wellness component are present in each JROTC Option year. Because second, third, and fourth year cadets are blended into the same classes at CCCHS, LE II and LE III are offered in alternate years. AS classes consist of The Science of Flight, Exploration of Space, and Cultural Studies and are offered one each year for three consecutive years and then repeated. Depending on the offering each year, LE II or LE III could be taught with any of the upper AS classes. The Wellness component is always included each year for all cadets. For example, first year cadets always take Option 1 and it is considered a prerequisite for the other optional AFJROTC classes. Second and third year cadets will take LE II or LE III along with either Cultural Studies, The Science of Flight, or Exploration of Space. Fourth year cadets learn how to manage the Cadet Corps as their AS component and complete the LE IV Principles of Management text in addition to their Wellness component.

1-3 Credits/ Prerequisite: must normally take Option 1 before Options 2, 3, or 4.

The Junior ROTC education program enables the student to explore both civilian and military aspects of aerospace. The program is designed to instill integrity and citizenship within the cadets. The instructors will challenge the student to become a leader, self-reliant, and self-disciplined. Military customs and courtesies, flag etiquette, basic drill positions, movements, and commands are basic aspects of all the courses. Voluntary extracurricular/after school activities include drill team, color guard, honor guard, air rifles, CyberPatriot (computer network defense), and model rocketry. Other activities such as hiking, camping, a military ball, an awards banquet, parades, and community service projects are also offered for voluntary cadet participation. Cadets earn merits for any voluntary participation in non-required cadet activities. Uniform wear, one day a week, is mandatory to pass the courses. All cadets must meet Air Force standards of dress and appearance. Haircuts and a clean-shaven face are required for males when in uniform. Females must wear their hair up and have a single natural color tint for their hair when in uniform, with neutral colored fingernails. Uniforms must be dry-cleaned several times during the year at the cadet's expense. Students may elect to continue into a 4th year of JROTC. These "senior" cadets will form the cadet staff and lead the Cadet Corps by leadership in action.

JROTC Option 1: (all first year cadets)

AS 100: Aerospace Science: A Journey into Aviation History

LE 100: Citizenship, Character and Air Force Tradition

Wellness

This is the recommended first AS course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. The LE-100 introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

JROTC Option 2: (second or third year cadets)

AS 200: The Science of Flight: A Gateway to New Horizons

LE 200: Communication, Awareness, and Leadership (or LE 300: Life Skills and Career Opportunities; see Option 3)

Wellness

The Science of Flight: A Gateway to New Horizons is an introductory course and customized textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science related courses. Leadership Education 200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

JROTC Option 3: (second or third year cadets)**AS 220: Cultural Studies: An Introduction to Global Awareness****LE 300: Life Skills and Career Opportunities (or LE 200: Communication, Awareness, and Leadership; see Option 2)****Wellness**

This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Leadership 300 provides an essential component of leadership education for today's high school students. This course is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Students will learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

JROTC Option 4: (second or third year cadets)**AS 300: Exploring Space: The High Frontier****LE 300: Life Skills and Career Opportunities (or LE 200: Communication, Awareness, and Leadership; see Option 2)****Wellness**

This is a science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. Leadership 300 provides an essential component of leadership education for today's high school students. This course is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Students will learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

JROTC Option 5: (fourth year cadets)**AS 400: Management of the Cadet Corps****LE 400: Principles of Management****Wellness**

The cadets manage the entire corps during their fourth year in the Air Force Junior ROTC program. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills. This is the fourth textbook in the Leadership Education series. This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. We are confident this course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions within the corps. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions. Wellness is an official and integral part of the Air Force Junior ROTC program. It consists of an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. The Wellness curriculum is instrumental in developing citizens of character dedicated to serving our nation and communities.

NOTE: Two credits of JROTC meet the Lifetime Wellness graduation requirement (i.e. successfully pass two years of JROTC). Three credits of JROTC meet the U.S. Government, Personal Finance, and the additional ½ credit of physical activity graduation requirement (i.e. successfully pass three years of JROTC). The University of Colorado offers college elective credits for AFJROTC courses (cadets must pay tuition fees).

Career & Technical Education

Advanced Manufacturing

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Machine Technology*Principles of Machining I (9529)*

1 Credit

Prerequisite: None

This course focuses on the essential principles that must be mastered in order to be an effective participant in manufacturing production work. The course is intended for students who are interested in production that integrates machining and engineering. The course covers professional communications with customers, quality principles and processes, systems, information in the workplace, the process of product design to machine parts, and statistical process control. Welding and small fabrication techniques will be covered in this course. The student will be trained on all manual machining processes for the lathe and the milling machine. Basic sawing, cutting and drilling operations will be taught. Small projects that encompass the manual machines will be assigned during the course.

Principles of Machining II (9523)

1 Credit

Prerequisite: Completion of or current enrollment in Principles of Machining I

This course focuses on concepts and practices that support careers in manufacturing, machining, tool-making, industrial maintenance, metrology, automation, industrial design, or industrial support. The course introduces the technology of machining and manufacturing processes. Emphasis is placed on quality control, codes and standards, and production systems. The Casting and foundry operations will support the parts and materials for the machining course.

CNC (computer numerical control) training will be heavily focused to prepare the student for programming and operating of the HAAS vertical mill. The student will be introduced to the Autocad Inventor and Featurecam program to use in the CNC programming process.

Manufacturing Practicum (9526) Seniors ONLY

1 credit

Prerequisite: Principles of Machining I and II

This course is a capstone course intended to provide students with the opportunity to apply skills and knowledge learned in previous manufacturing courses within a professional working environment. While continuing to add to their technical skillsets, students will assume increasing responsibility for overseeing manufacturing processes and managing complex projects. Specifically, proficient students work in teams to plan the production of a sophisticated product; develop troubleshooting and problem solving mechanisms to ensure that projects run smoothly; analyze output and compile professional reports and connect practicum activities to career and postsecondary opportunities. Upon completion, proficient students will be prepared for postsecondary and career advancement in their chosen focus area. Students will be trained on Autocad inventor to document, analyze designs for production, and to analyze cost feasibility analyses for production. CNC, milling, and featurecam programming capabilities will be enhanced. Some of the project work to be studied will be the NASA Rover Challenge or Capstone Skills competitions.

Welding

Welding I

1 Credit

Prerequisite: None

Welding I is designed to provide students with the skills and knowledge to effectively perform cutting and welding applications used in the advanced manufacturing industry. Students enrolled in this course will develop proficiency in fundamental safety practices in welding, interpreting drawings, creating computer aided drawings, identifying and using joint designs, efficiently laying out parts for fabrication, basic shielded metal arc welding (SMAW), mechanical and thermal properties of metals, and quality control. Upon completion of the *Welding I* course, students will understand the requirements to pursue the American Welding Society (AWS) Entry Welder qualification and examination and will be prepared to undertake more advanced welding coursework. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Welding II - A

1 Credit

Prerequisite: Welding I

Welding II is designed to provide students with opportunities to effectively perform cutting and welding applications of increasingly complexity used in the advanced manufacturing industry. Proficient students in this course will build on the knowledge and skills of the *Welding I* course and apply them in novel environments, while learning additional welding techniques not covered in previous courses. Specifically, students will be proficient in (1) fundamental safety practices in welding, (2) gas metal arc welding (GMAW), (3) flux cored arc welding (FCAW), (4) gas tungsten arc welding (GTAW), and (5) quality control methods. Upon completion of the *Welding II* course, proficient students will be eligible to complete the American Welding Society (AWS) Entry Welder qualification and certification. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Welding II - B

1 Credit

Prerequisite: Welding II - A

This is the second credit in Welding II. It is a continuation of the standards covered in Welding II – A.

Agricultural Education

NOTE: The following Ag Ed. courses provide students the opportunity to develop leadership and interpersonal skills through the participation in FFA (Future Farmers of America).

Large Animal Science

1 Credit

Prerequisite: Agriscience

This is an applied course in veterinary and animal science for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers anatomy and physiological systems of different groups of large animals, as well as careers, leadership, and history of the industry. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee state standards in Anatomy and Physiology and National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Veterinary Science

1 Credit

Prerequisite: Agriscience,

Recommended: Small Animal Care or Large Animal Science, interest in a career as a livestock producer, vet tech, or veterinarian

This is an advanced course in animal science and care for students interested in learning more about becoming a veterinarian, vet tech, vet assistant, or pursuing a variety of scientific, health, or agriculture professions. This course covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee state standards in Anatomy and Physiology, Biology I, and Biology II, as well as National Agriculture, Food and Natural Resources Career Cluster Content Standards

Principles of Agricultural Mechanics

1 Credit

Prerequisite: None

This is a course introducing students to basic skills and knowledge in construction and land management for both rural and urban environments. This course covers topics including project management, basic engine and motor mechanics, land surveying, irrigation and drainage, agricultural structures, and basic metalworking techniques. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee Common Core State Standards for Mathematics, and National Agriculture, Food, and Natural Resources Career Cluster Content Standards.

Agricultural Power and Equipment

1 credit

Prerequisite: Principles of Agricultural Mechanics

This is an applied-knowledge course in agricultural engineering with special emphasis on laboratory activities involving small engines, tractors, and agricultural equipment. The standards in this course address navigation, maintenance, repair, and overhaul of electrical motors, hydraulic systems, and fuel-powered engines as well as exploration of a wide range of careers in agricultural mechanics. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee Common Core State Standards in Mathematics, and National Agriculture, Food and Natural Resources Career Cluster Content Standards.

Principles of Plant Science and Hydroculture

1 Credit

Prerequisite: Agriscience

Principles of Plant Science and Hydroculture focuses on essential knowledge and skills related to the science of plant growth. This course covers principles of plant health, growth, reproduction, and biotechnology, as well as fundamental principles of hydroponics and aquaponics. Upon completion of this course, proficient students will be prepared for more advanced coursework in horticulture science.

Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, Tennessee state standards for Biology I, Biology II, Ecology, and Environmental Science, and National Agriculture, Food, & Natural Resources Career Cluster Content Standards.*

Greenhouse Management

1 credit

Prerequisite: Principles of Plant Science and Hydroculture

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. Upon completion of this course, proficient students will be equipped with the technical knowledge and skills

needed to prepare for further education and careers in horticulture production. Greenhouse Management is a dual credit course with statewide articulation. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards in Mathematics, and Tennessee state standards for Biology I and Biology II, as well as National Agriculture, Food, & Natural Resources Career Cluster Content Standards.*

Work-Based Learning - Agriculture

1-2 Credits

Prerequisite: 12th grade, teacher approval, enrolled in an agriculture course

Work-Based Learning is a method of instruction whereby students coordinate their studies with a paid job in a field related to their agriculture course.

Instruction is based on written training and evaluation plans agreed to by the school and employer. The students receive credit for both classroom and work experiences related to the course of study. *See work-based learning policies for additional information and qualifications.

Architecture and Construction

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA

Architectural & Engineering Design (Drafting)

AED I (Drafting I)

1 Credit

Prerequisite: None

Architectural & Engineering Design I is a foundational course in the Architecture & Construction cluster for students interested in a variety of engineering and design professions. Upon completion of this course, proficient students will be able to create technical drawings of increasing complexity, and utilize these skills to complete the design process and communicate project outcomes. Students will build foundational skills in freehand sketching, fundamental technical drawing, and related measurement and math. Standards in this course also include career exploration within the technical design industry, as well as an overview of the history and impact of architecture and engineering. In addition, students will begin compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

AED II (Drafting II)

1 Credit

Prerequisite: AED I (Drafting I)

Recommended Algebra 1 or Technical Algebra, Geometry or Technical Geometry

Architectural & Engineering Design II is the second course in the *Architectural & Engineering Design* program of study. Students in this course build their skills in developing and representing design ideas using technical drawing and modeling techniques, and apply the design process to solve design problems. Upon completion of this course, proficient students will be able to use CAD software to create multi-view, sectional view, auxiliary view, and three-dimensional drawings using industry standard dimensioning and notation. Students will connect drawings with actual physical layouts by building models based on drawings, creating drawings based on objects and other physical layouts, and using software to create basic three-dimensional models. In addition, students will continue compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

AED III (Drafting III)

1-2 Credits

Prerequisite: AED II (Drafting II)

Recommended Algebra 1 or Technical Algebra, Geometry or Technical Geometry

Architectural & Engineering Design III is the third course in the *Architectural & Engineering Design* program of study. In this advanced course, students will apply technical drawing and design skills developed in the previous courses to specific architectural and mechanical design projects and contexts. In the process, students will expand their problem-solving and critical-thinking skills by assessing the requirements of a project alongside the available resources in order to accomplish realistic planning. Upon completion of this course, proficient students will be able to employ methods of data collection and analysis to

provide others with appropriate information for projects and to develop their own designs. Students will also be able to engage with industry-specific technology to create visual representations of project outcomes. In addition, students will continue compiling artifacts for inclusion in a portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Arts, Audio/Visual Technology, & Communications

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA and/or FBLA

Arts, A/V Technology & Communications

Digital Arts and Design I

1 Credit/Prerequisite: Computer Applications

Digital Arts and Design I is a course that uses various hardware and software multimedia tools to develop digital communication presentations. Creative design, persuasive communications, and language arts skills are applied through research, evaluation, validation, written, and oral communication. Course topics include the history and evolution of multimedia, typography, layout and design guidelines, and careers in the multimedia field. Copyright laws and ethical practices are reinforced in creating and formatting various presentations that require imported data/graphics, digital, audio, and video clips. Software utilized includes Windows Movie Maker, Pinnacle, and Adobe Premiere Elements. Team participation and development will also be stressed as students work on multimedia project(s). Laboratory facilities and experiences simulate those found in business and industry. The student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Digital Arts and Design II

1 Credit/Prerequisite: Digital Arts and Design I 11th and 12th graders only

Digital Arts & Design II is a course that builds on the basic principles and design process learned in the introductory Digital Arts & Design I course. Upon completion of this course, proficient students will be able to perform advanced software operations to create photographs and illustrations of increasing complexity. Students will employ design principles and use industry software to create layouts for a variety of applications. Standards in this course also include an overview of art and design industries, career exploration, and business management. In addition, students will continue compiling artifacts for inclusion in a digital portfolio, which they will carry with them throughout the full sequence of courses in this program of study. Team participation and development will also be stressed as students work on various multimedia projects. Laboratory facilities and experiences simulate those found in business and industry. The student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

A/V Production I

1 credit

Prerequisites: None

This is a foundational course for students interested in audio/visual production occupations. Upon completion, proficient students will be able to explain and complete the phases of the production process including pre-production, production, and post-production. The course is designed to give students training in electronic media communications and prepare them for possible careers in the areas of media throughout the world including production, business, behind the camera, or media law. Students will be educated in all aspects of radio communications including writing a news script, editing audio, and producing a radio newscast. Students will also be given an introduction to visual media, including correct camera techniques and news writing to pictures. Students will also learn the history of electronic media, career exploration, safety procedures outlined by OSHA, and examine how media laws are regulated. Students will begin to compile a portfolio to be used throughout the full sequence of courses.

A/V Production II

Credit 1 each, Prerequisites: A/V Production I

A/V Production II is the second course in the A/V Production program of study intended to prepare students for a careers in audio/visual production. Building on knowledge acquired in A/V Production I, this course advances technical skill in utilizing industry equipment related to lighting and audio, and it places special emphasis on planning productions.

Proficient students will be able to plan, capture, and edit research-based productions of increasing complexity, individually and through collaboration in teams. In addition to more robust career preparation, standards in this course include an investigation of concerns affecting A/V production businesses, such as ethical and legal issues, technology, funding, and the organization of professional roles in various industries.

Students will continue compiling artifacts for inclusion in their portfolios, which they will carry with them throughout the full sequence of courses in this program of study. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects, Tennessee State Standards for Physical World Concepts, Physical Science, and Physics.*

A/V Production III

Available in 2017/18

Business Management & Administration

NOTE: The following business courses provide students the opportunity to develop leadership and interpersonal skills through the participation in FBLA (Future Business Leaders of America). *YOU MUST BE ENROLLED IN ONE OF THESE COURSES IN ORDER TO BE AN FBLA MEMBER.*

Computer Applications

1 Credit

This course is designed to develop computer technology skills. Students will use a variety of computer software and hardware tools and features of an electronic information network. This course also provides students with the historical, social and ethical issues of using computer technology. Students will develop in word processing (Word), spreadsheet (Excel), database (Access), presentation (PowerPoint), and desktop publishing (Publisher) software. These skills are necessary for any student to obtain whether entering the work force or collegiate work. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Business Communication

1 Credit/Prerequisite: Computer Applications

Business Communications is a course that prepares students for oral and electronic business communications in the 21st century including social media as well as developing skills in electronic publishing, design, layout, composition, and video conferencing. Emphasis will be placed on social media, design and digital communications. Students will review and practice successful styles and methods for professional business communications using the proper tools to deliver effective publications and presentations. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Advanced Computer Applications

1 Credit/Prerequisite: Computer Applications 11th and 12th graders only

This course is designed to assist students in learning necessary skills in problem solving using current and emerging integrated technology. Students learn advanced-level skills of the programs obtained in the computer applications course. This course emphasizes student choice, accountability and competency. Students work toward the attainment of high-level employable competencies in areas including integrated software applications, computer systems, communication systems, networking, ethical issues, human relations, leadership, self-management, and workplace management. This course may articulate to post-secondary education. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Business & Entrepreneurship Practicum

1 Credit/Prerequisite: Advanced Computer Applications 12th graders only

Business and Entrepreneurship Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous business courses. Students who have progressed to this level in the Business program of study take on more responsibilities for producing independent work. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Business Management

1 Credit/Prerequisite: Computer Applications: 11th and 12th graders only

Students will develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

American Business and Legal Systems*

½ Credit/Prerequisite: None 11th and 12th graders only

This course is designed to provide students with an understanding of the legal framework in which American business functions. Students will evaluate the influence of the free enterprise system in a democratic society and will analyze the alliance between capitalism and democracy to be better prepared to influence the future decisions in the public and private sectors of the United States of America. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

*American Business and Legal Systems substitutes for the U.S. Government requirement.

Business Economics*

½ Credit/Prerequisite: None 11th and 12th graders only

This course provides an in-depth study of fundamental concepts, free enterprise trading practices, and the various players in the economic system. Topics focus on production, marketing and distribution of goods and services, as well as the roles of financial institutions, the government, and the individual within the free enterprise system. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

*Business Economics substitutes for the economics graduation requirement.

Work-Based Learning- Business Technology Education

1-2 Credits/Prerequisite: 12th grade, teacher approval, enrolled in Business Technology Class

Work Based Learning is a structured method of instruction whereby students coordinate their studies with a paid job in the field of Business Technology. ***See work-based learning policies for additional information and qualifications. See Business Instructor for these forms and prior approval.***

Finance

NOTE: The following business courses provide students the opportunity to develop leadership and interpersonal skills through the participation in FBLA (Future Business Leaders of America). YOU MUST BE ENROLLED IN ONE OF THESE COURSES IN ORDER TO BE AN FBLA MEMBER.

Personal Finance

½ Credit/Prerequisite: 12th graders only

Personal Finance is a course designed to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and saving accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Accounting I

1 Credit/Prerequisite: Computer Applications

This course introduces concepts and principles based on a double-entry system of maintaining the electronic and manual financial records of a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journals, posting, and preparation of worksheets and financial statements. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Accounting II

1 Credit/Prerequisite: Accounting I 11th and 12th grade only

Accounting II is an advanced study of concepts, principles, and techniques used by businesses to maintain electronic and manual financial records. This course expands on content explored in Accounting I to cover the accounting processes of a variety of different firms, including merchandising, manufacturing, and service-oriented businesses. Upon completion of this course, proficient students will gain in-depth knowledge of business accounting procedures and their applications to business operations. Upon completion of this course, students will be prepared for postsecondary study and advanced training in accounting or business. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Banking & Finance

1 Credit/Prerequisite: Recommend Computer Applications, Accounting I and/or Personal Finance

This course is designed to challenge students with real banking and financial situations through the operation of a student-run school bank. Bank partners from local institutions also serve as mentors to banking students. Students interested in this course must complete an application and receive a recommendation from each of their classroom teachers. These students should have a good attendance and discipline record. The co-curricular student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement. *This course requires Banking & Finance teacher approval prior to registration, is limited to juniors and seniors only, and is only offered during 5th period.*

Health Science Education

NOTE: The following Health Science courses provide students the opportunity to develop leadership and interpersonal skills through the participation in HOSA (Future Health Professionals)

Therapeutic Emergency Services

Health Science Education

1 Credit

Prerequisite: None

This course serves as the foundation for the other health science courses. It includes basic health care information of services/products related to the health of individuals. The roles and responsibility of medical professionals and direct service staff will be discussed. Basic information concerning individual and family health practices will be offered, encouraging promotion of healthy life styles. This course emphasizes career choices, skill development, and application of health concepts relative to becoming a health care professional. Skills included in the class include hand-washing, assessment of temperature, pulse, respiration, and blood pressure, CPR skills and first aid. Participation in HOSA is encouraged.

Medical Therapeutics

1 Credit

Prerequisite: Health Science Education

This course provides knowledge and skills to maintain or change the health status of an individual over time. It emphasizes therapeutic career choices, such as dental assistance, medical assistance, dietetics, physical therapy, etc. Skills obtained in this course include hand washing, assessment of vital signs and height/weight, CPR, first aid, oral hygiene, basic client transfers, specimen collection, and body mechanics. Participation in HOSA is encouraged.

Medical Terminology

1 credit

Prerequisite: Health Science Education and Medical Therapeutics

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts. On completion of this course, students will be tested and possibly earn Motlow College credit for this course.*

Diagnostic Medicine

1 Credit

Prerequisite: Health Science Education

Diagnostic Medicine is a second level course designed to prepare students to pursue careers in the fields of radiology, medical laboratory, optometry, and other patient diagnostic procedures. Upon completion of this course, proficient students will be able to describe new and evolving diagnostic technologies, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills.

Emergency Medical Services (EMS)

1 Credit

Prerequisite: Health Science Education and Medical Therapeutics

This course teaches knowledge of the emergency medical field, including duties, responsibilities and legal aspects of emergency medical personnel. Skill development for this course includes patient assessment, communication, CPR, first aid, and the use of emergency medical equipment. Participation in HOSA is encouraged.

Nursing Education

2 credits

Requirement: Senior only, Teacher will have final approval of all students selected for this class

Prerequisites- Must have completed Health Science Education, and Medical Therapeutics or EMS.

Nursing Education consists of 18 units of study dealing with direct bedside nursing care. Clinical experience will consist of supervised practice in the nursing home, as well as demonstration in the classroom. Students can be registered by Tennessee Department of Health- after the completion of the course, 100 hours clinical and theory, passing a state test (both written and skills) – and will be job ready as a Certified Nursing Assistant.

Hospitality and Tourism

NOTE: The following family and consumer science courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Culinary Arts I

1 Credit

Prerequisite: None

Culinary Arts 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. Upon completion of this course, proficient students will have knowledge in the components of commercial kitchen safety and sanitation, history of the foodservice industry, careers, nutrition, recipe basics, proper kitchen tools and equipment, and kitchen staples. Throughout the course students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects.*

Culinary Arts II

1 Credit

Prerequisite: Culinary Arts I

Culinary Arts II is an applied-knowledge course to prepare students for careers in the culinary field as a personal chef, caterer, executive chef, and food and beverage manager. Upon completion of this course, proficient students will have an understating of commercial kitchen safety and sanitation, menu planning, food presentation, purchasing and inventory, preparation skills, cooking principles, and food preparation. Students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Culinary Arts III

Prerequisite: Culinary Arts II

Culinary Arts III is an advanced course intended to further equip students with the skills and knowledge needed to pursue a variety of careers in the culinary field. Upon completion of the course, students will be proficient in components of commercial kitchen safety and sanitation, dining room service, food preparation and presentation, bakeshop preparation skills and equipment, and advanced cooking principles. Students will gain experience in commercial food production and service operations, while preparing for further training at the postsecondary level. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Culinary Arts IV

Prerequisite: Culinary Arts III or IIB

Culinary Arts IV is the capstone course in the Culinary Arts program of study intended to prepare students for careers such as personal chef, caterer, executive chef, and food and beverage manager. Course content covers the components of commercial kitchen safety and sanitation, food presentation, bakeshop preparation skills, sustainability practices, professionalism, and business opportunities. Upon completion of this course, proficient students will have applied the full range of knowledge and skills acquired in this program of study toward the planning and catering of an event approved by the instructor. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Human Services

NOTE: The following family and consumer science courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Cosmetology

Principles of Cosmetology I

1 Credit

Prerequisite: None

This is the first level of cosmetology, and it prepares students with work-related skills for advancement into the Design Principles of Cosmetology course. Content stresses safety, environmental issues, and protection of the public and designers as integrated with principles of hair design, nail structure and cosmetic procedures. Laboratory facilities simulate those found in the cosmetology industry.

Design Principles of Cosmetology II

1 Credit

Prerequisite: Principles of Cosmetology I

This is the second level of cosmetology and prepares students in both theory and practical application. Advanced knowledge and skills in hair design, nail artistry, and cosmetic applications will be enhanced in a laboratory setting that duplicates cosmetology industry standards.

Chemistry of Cosmetology III

1 Credit

Prerequisite: Design Principles of Cosmetology II

Chemistry of Cosmetology is the advanced or third level of cosmetology and it prepares students to perform work-related services using chemicals in the cosmetology industry. Content provides students the opportunity to acquire foundation skills in both theory and practical applications. Laboratory facilities and experiences will be used to simulate cosmetology work experiences.

Social Health Services

Introduction to Human Studies

1 Credit

Introduction to Human Studies is a foundational course for students interested in becoming a public advocate, social worker, dietician, nutritionist, counselor, or community volunteer. This course covers the human needs, overview of social services, career investigation, mental health, and communication. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in this course are aligned with Tennessee Common Core State Standards for English Language & Literacy in Technical Subjects, as well as the Tennessee Psychology and Sociology standards, and the National Standards for Family and Consumer Sciences Education, Second Edition.*

Lifespan Development

1 Credit

Lifespan Development builds basic knowledge in human growth and development. The course standards include developmental theory, principles of growth, behavior of children from conception through adolescence, adult development and aging, and death and dying. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in the course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee Biology I, Psychology, and Sociology standards, and National Standards for Family and Consumer Sciences Education, Second Edition.

Family Studies

1 Credit

Family Studies is an applied knowledge course that examines the diversity and evolving structure of the modern family. Course standards focus on the demographic, historical, and social changes of interpersonal relationships, as well as parenting, and the effect of stressors on the family. Artifacts will be created for inclusion in a portfolio, which will continue to build throughout the program of study. Standards in the course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects, as well as Tennessee Psychology, Scientific Research, Sociology, and US History standards and the National Standards for Family and Consumer Sciences Education, Second Edition.

Information Technology

NOTE: The following business courses provide students the opportunity to develop leadership and interpersonal skills through the participation in FBLA (Future Business Leaders of America). *YOU MUST BE ENROLLED IN ONE OF THESE COURSES IN ORDER TO BE AN FBLA MEMBER.*

Web Page Design I - Foundations

1 Credit

Prerequisite: Computer Applications

This course prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic Web Design coding and the dynamics of networking/Internetworking, Web hosting and Web design in e-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web Design. Laboratory facilities and experiences simulate those found in the Web Page Design and construction industry. The student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Web Page Design II – Site Development

1 Credit/Prerequisite: Web Page Design I-Foundations

This course prepares students with work-related skills for advancement into postsecondary education or industry. Course content includes exposure to basic and advanced Web design, pixelated and vector-based Web graphics, Web animations, dynamics of Web hosting, and Web design in E-commerce. The course content provides students the opportunity to acquire fundamental skills in both theory and practical application of Web design and of leadership and interpersonal skill development. Laboratory facilities and experiences simulate those found in the Web page design and Web page construction industry. Further, this course maps to the Certified Internet Webmaster "Site Designer" national certification examination. The student organization FBLA will provide students with opportunities for leadership development, personal growth, and school/community involvement.

Web Page Design III Practicum

1 Credit/Prerequisite: Web Page Design II-Site Development

Web Design Practicum is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous *Web Design* courses toward the completion of an in-depth project with fellow team members. Students who have progressed to this level in the *Web Design* program of study take on more responsibilities for producing independent work and managing processes involved in the planning, designing, refinement, and launch of a website. In addition to developing an understanding of the professional and ethical issues encountered by web design professionals in the workplace, students learn to refine their skills in problem solving, troubleshooting, teamwork, marketing and analytics, and project management. Upon completion of the practicum, proficient students will be prepared for postsecondary study and career advancement in web design. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Law, Public Safety, Corrections, & Security

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Law Enforcement Services

Principles of Law, Corrections, and Security

1 credit

Prerequisite: None

Principles of Law, Corrections, and Security is an introductory course designed to prepare students to pursue careers in the fields of law enforcement, legal services, corrections, and security. Upon completion of this course, a proficient student will be able to identify careers in these fields, summarize the laws that govern the application of justice, and draw key connections between the history of the criminal justice system and the modern legal system. In addition, students will model the professional, moral, and ethical standards required of professionals in the fields of law, legal services, corrections, and security.

Criminal Justice I

1 Credit

Prerequisite: None

Criminal Justice I is the first of three courses designed to help the student gain a better understanding of the criminal justice system and how it works. The first level will discuss careers that include, but are not limited to, forensics, criminology, Federal Bureau of Investigations, Tennessee Bureau of Investigations, law enforcement, and the study of law. Students will be exposed to first hand experience and knowledge of those individuals engaged in careers in criminal justice. Students will gain a better understanding of the state, federal, and international law. The class will focus on advancements in technology and the new fields of careers available in the field of criminal justice. Students will also be instructed in the technique of CPR (Cardio Pulmonary Resuscitation).

Criminal Justice II (Also as Honors)

1 Credit

Prerequisite: Criminal Justice I

Students will engage in open debates and conversations concerning current criminal justice careers and the issues surrounding those careers. Students will use their critical thinking ability to engage in discussions concerning the issues involving local, state, federal, and international laws. Students will learn about international opportunities in the field of criminal justice. They will actively participate in role playing in the form of mock trials, crime scene investigation and open debates. Students will witness first hand the issues and working of certain fields through the use of guest speakers and field trips. Students will perform forensic lab experiments to further their knowledge of technology and its advancements in the field.

Criminal Justice III (Also as Honors)

1 Credit

Prerequisite: Criminal Justice II

Students will work together as teams to investigate and analyze a crime scene. Students will conduct investigations and forensic science experiments in order to further gain an understanding of the forensic science field. Some of these experiments will include, but not limited to, fingerprinting, facial reconstruction, and DNA. Students will analyze how the area of forensic science affects the gathering and analysis of evidence, extending to an understanding of laboratory equipment necessary in the field of forensic science. Students will further explore how the area of forensic science affects the outcomes in a court of law.

Court Systems and Practices Credit hours: 1 hour or 2 hours Prerequisites: Must have completed Criminal Justice I and Criminal Justice II or be currently enrolled in Criminal Justice II. Must complete the required application and be approved by Mrs. Acklen.

Court Systems and Practices is the class for those students who are interested in the legal aspects of law, public safety, and corrections. Upon completion of this course, proficient students can identify careers in legal and correctional services, evaluate legal documents as they pertain to the rights of citizens outlined in the U.S. Constitution, and analyze the criminal court system process from arrest to parole. Students will engage in all aspects of courtroom procedure, as well as, conduct mock trials. Students will be encouraged to participate in the mock trial competition in February sponsored by the Tennessee Bar Association. Students will also participate in job shadowing and interning with those individuals related to the court system.

Work-Based Learning (Internship)- Criminal Justice

1-2 Credits/ Prerequisite: 12th grade, teacher approval, enrolled in Criminal Justice III

Work-Based Learning - Criminal Justice – Students engage in unpaid internships outside of school that will assist students in gaining a better understanding of the workplace. Students will engage in tasks and activities related to the field of criminal justice while explore career opportunities. Internships are work-based activities where students work with an employee for a specified period of time (each session is 9 weeks) to learn about a particular occupation or industry. Working with businesses and industries demonstrate to students the academic requirements needed to be successful. These positions must be pre-approved and require an application process.

Marketing Education

NOTE: The following marketing courses provide students the opportunity to develop leadership and interpersonal skills through the participation in DECA.

Marketing & Management I - Principles

1 Credit

Prerequisite: None

This course provides students with a study of marketing concepts and principles and their practical application. Students will examine risks and challenges marketers face to establish a competitive edge. Subject matter includes economics, marketing foundations/functions with emphasis on selling, promotion, product/service management, pricing and distribution. In addition, this course will explore human resource and leadership development. **This course substitutes for Economics.**

Marketing & Management II – Advanced Strategies

1 Credit

Prerequisite: Marketing & Management I – Principles

This course is a study of marketing concepts and principles used in management. Students will examine challenges, responsibilities and risks managers face in today's workplace. Subject matter includes finance, entrepreneurship, risk management, marketing information systems, purchasing, human resource skills, and leadership development. Students enrolled in this course are responsible for the morning operations of the CHS Bookstore. Upon completion of this course, students will be tested and possibly earn three hours of Motlow college credit for the course. *

Retail Operations

1 Credit

Prerequisite: Marketing & Management I

Retail Operations offers a comprehensive view of retail from general information about retailers, consumers and buying behavior to specific management, buying, systems and retail strategy. Throughout the course the student will be made aware of the importance of retailing in its various forms as the final step in getting products and services to consumers in the market place. Students enrolled in this course are responsible for the daily operations of the CHS Bookstore.

STEM

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Technology

Digital Electronics

1 Credit

Prerequisite: None

Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. Standards in this course outline what students must know and do in order to (1) describe basic functions of digital components (including gates, flip flops, counters, and other devices upon which larger systems are designed), (2) use these devices as building blocks to design larger, more complex circuits, (3) implement these circuits using programmable devices, and (4) effectively communicate designs and systems. Students develop additional skill in technical documentation when operating and troubleshooting circuits. Upon completion of the *Digital Electronics* course, students will be able to design a complex digital system and communicate their designs through a variety of media. Standards in this course are aligned with Tennessee State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee State Standards in Mathematics.*

Principles of Engineering and Technology

1 Credit

Prerequisite: None

Principles of Engineering and Technology is a foundational course in the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, proficient students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others. Standards in this course are aligned with Tennessee Common Core State Standards for English Language Arts & Literacy in Technical Subjects and Tennessee Common Core State Standards in Mathematics.

Robotics & Automated Systems

1 Credit

Prerequisite: None

Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Building on the content and critical thinking frameworks of *Principles of Engineering and Digital Electronics*, this course asks students to follow the engineering design process and apply basic programming skills to complete assignments and projects. Upon completion of this course, proficient students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.

Transportation, Distribution, & Logistics

NOTE: The following trade and industry courses provide students the opportunity to develop leadership and interpersonal skills through the participation in SkillsUSA.

Collision Repair Tech

Autobody I: Intro to Collision Repair

1 Credit

Introduction to Collision Repair is a foundational course in the Automotive Collision Repair program of study for students interested in learning more about automotive collision repair technician careers. Upon completion of this course, proficient students will be able to identify and explain the basic steps in the collision repair process, emphasizing the tools, equipment, and materials used. They will be able to describe the major parts of an automobile body and safely perform basic procedures in preparing automotive panels for repair, applying body filling, and preparing surfaces for painting.

Autobody II: Non-Structural

1 Credit

Prerequisite: None

Recommended: Intro to Collision Repair

This course prepares students to analyze non-structural collision damage to a vehicle, determine the extent of the damage and the direction of impact, initiate an appropriate repair plan, and correctly use equipment to fit metal to a specified dimension within tolerances. Course content includes metal finishing, body filling and glass panel replacements.

Autobody III: Painting and Refinishing

1 Credit

Prerequisite: Collision Repair: Non-Structural

This course prepares students to use plastics and adhesives in the repair and refinish processes and to apply automotive paint to a vehicle. Students learn to diagnose automotive paint finish problems and to perform the appropriate manufacturer-required techniques and processes to refinish the affected area or the complete vehicle. Course content provides the student with training in mixing, matching, and applying paint and finish to vehicles. Course content includes the application of plastics and adhesives in the repair and refinish processes. The course prepares students for entry level employment and advanced training in collision repair technology and post-secondary education.

Automotive Maintenance and Light Repair

Maintenance and Light Repair I (MLR I)

1 Credit

Prerequisite: None

This course prepares students for entry into Maintenance and Light Repair II. Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards. MLR I is the first course in the Automotive Technology program of study and serves as a foundation of safety skills and knowledge on becoming a professional service technician. Transportation Core, at the discretion of a local system or in the case where more than one POS in Transportation, Distribution and Logistics Cluster are being taught, may be substituted

The Maintenance and Light Repair II (MLR II)

1 Credits

Prerequisite: Maintenance and Light Repair I (MLR I)

This course prepares students for entry into Maintenance and Light Repair III. Students study automotive general electrical systems, starting and charging systems, batteries, lighting, and electrical accessories. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

The Maintenance and Light Repair III (MLR III)

1 Credit

Prerequisite: The Maintenance and Light Repair II (MLR II)

This course prepares students for entry into Maintenance and Light Repair IV. Students study and service suspension and steering systems and brake systems. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Hours earned in the Maintenance and Light Report courses may be used toward meeting National Automotive Technicians Education Foundation (NATEF) standards and Tennessee Department of Education standards. NATEF requires that 95% of the P-1 tasks, 80% of the P-2 tasks, and 50% of the P-3 tasks will be accomplished. These tasks are notated in these standards.

The Maintenance and Light Repair IV (MLR IV)

1 Credit

Prerequisite: The Maintenance and Light Repair III (MLR III)

This course prepares students for entry into the automotive workforce or into post secondary training. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completing all of the Maintenance and Light Repair courses, students may enter automotive service industry as an ASE Certified MLR Technician. Students must complete MRL 1-3 before entering MRL 4.

Dual Enrollment Courses

Coffee County CHS offers a Dual Enrollment program. Students interested in participating in this program must meet specific requirements. Students must also meet with their counselor and attend meetings to receive information about the qualifications.

Dual Enrollment Junior English Fall Semester

½ Credit

Prerequisite: None

This course focuses on essay writing using a variety of expository patterns. It emphasizes critical reading and discussion of selected essays, logical thinking, and an introduction to incorporation and documentation of material from primary sources. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.

Dual Enrollment Junior English Spring Semester

½ Credit

Prerequisite: None

This course emphasizes critical thinking, argumentative essay writing, discussion of selected fiction, poetry, and drama, in-depth extended research, and literary criticism to include incorporation and documentation of material from primary and secondary sources. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.

Dual Enrollment Senior English Fall Semester

½ Credit

Prerequisite: None

This course focuses on essay writing using a variety of expository patterns. It emphasizes critical reading and discussion of selected essays, logical thinking, and an introduction to incorporation and documentation of material from primary sources. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.

Dual Enrollment Senior English Spring Semester

½ Credit

Prerequisite: None

This course emphasizes critical thinking, argumentative essay writing, discussion of selected fiction, poetry, and drama, in-depth extended research, and literary criticism to include incorporation and documentation of material from primary and secondary sources. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.

Dual Enrollment U.S. History

½ Credit

Prerequisite: Suggested completion of World History, World Geography, or AP Human Geography

This course covers the history of the United States from the beginning of English settlement in North America through the Revolution, early national period, and disruption of the Union, Civil War, and Reconstruction periods. This course ends with the events of 1876. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.

Dual Enrollment U.S. History

½ Credit

Prerequisite: Suggested completion of World History, World Geography, or AP Human Geography

This course traces the political, economic, diplomatic, and social development of the United States from the Reconstruction period to the present. Attention is given to contemporary problems and the place of the United States as a world power. Students must meet Motlow's required ACT score(s) prior to enrolling. Because this class serves as three hours of college credit, students must pay the standard Motlow fee. Students are also required to purchase the mandatory texts for this class. Special note: Most colleges will not accept credit for this course if the student's final grade is lower than a C.