



Course Descriptions 2009-2010

Graduating Classes of 2010, 2011, & 2012

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The Registration Process

Careful planning is needed in the selection of courses required for high school graduation and for career preparation. This process requires the involvement of students, parents, teachers, administrators, and counselors.

The registration process includes the following steps:

Step 1: Large Group Meetings

Grade level meetings are conducted for explanation of the registration process and the requirements for graduation. Students will meet during 4th period study times to receive registration materials (transcripts, checklists, etc.). Course descriptions are available from classroom teachers or on the school website at www.coffeecountyschools.com/chs.

Step 2: Registration Decisions

Students are encouraged to discuss course offerings with teachers and parents. Course Request forms with parent signatures must be returned to English teachers by **Tuesday, March 3, 2009**. These forms are required for individual registration conferences with counselors. Students must also obtain teacher signatures for courses that require special permission.

Step 3: Individual Registration Conferences

During English classes, students will be called in to meet individually with a counselor. Counselors will review Graduation Checklists and will further advise students concerning course requests. Students who are failing required courses will be registered for these courses; adjustments can be made following successful completion of the courses or taking the course during Summer Institute.

Step 4: Computer Registration

Course requests will be entered into the computer, and students will receive a list of courses that have been requested. Any changes to the printed course requests must be addressed with the appropriate counselor within 2 weeks. Prior to commencement of the next school year depending on the availability of courses, counselors/administrators may need to make substitutions.

Step 5: Course Changes

In August, only a limited number of course changes will be made. The course requests and the schedules will be reviewed by counselors prior to school beginning to make sure students are in proper classes. All changes to course requests should have been addressed by the students in Step 4 prior to the end of the 2009 school year. Any course changes after the beginning of school will require approval of a parent, an administrator, and a counselor.



COFFEE COUNTY CENTRAL HIGH

STUDENT
COUNSELING
CENTER

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

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Graduation Requirements CLASS of 2010, 2011, & 2012

Below are the minimal requirements for high school graduation. Please review the requirements as you select the appropriate courses for the upcoming school year.

UNIVERSITY PATH

English I, II, III, & IV	4 credits
Mathematics (3 credits: Alg. I, Geometry, and Alg. II)	3 credits
Science (A physical science, Biology, and one science elective)	3 credits
Social Studies	3 credits
1 credit of World Geography, World History, AP Human Geography, or AP World History	
1 credit of American History	
½ credit of Economics, Business Economics, or Marketing Education	
½ credit of U.S. Government or American Bus. Legal Systems*	
Lifetime Wellness** or (½ credit of Health and ½ credit of PE)**	1 credit
Foreign Language (Levels I and II of the same language)	2 credits
Fine Arts	1 credit
Keyboarding & CMS <i>NOTE: CMS required beginning with 2011 graduates</i>	1 credit
Electives	2 ½ credits or more

* 3 credits of JROTC replace ½ credit of U.S. Government, American Bus. Legal Systems requirement

** 2 credits of JROTC replace 1 credit of Lifetime Wellness requirement

TECHNICAL PATH

English I, II, III, & IV	4 credits
Mathematics (3 credits: Foundations II, Alg. I Tech, Tech Geometry)	3 credits
Science (A physical science, Biology, and one science elective)	3 credits
Social Studies	3 credits
1 credit of World Geography, World History, AP Human Geography, or AP World History	
1 credit of American History	
½ credit of Economics, Business Economics, or Marketing Education	
½ credit of U.S. Government or American Bus. Legal Systems*	
Lifetime Wellness** or (½ credit of Health and ½ credit of PE)**	1 credit
Keyboarding & CMS <i>NOTE: CMS required beginning with 2011 graduates</i>	1 credit
Technical (Vocational) Cluster	4 related credits
Electives	1 ½ credits or more

* 3 credits of JROTC replace ½ credit of U.S. Government, American Bus. Legal Systems requirement

** 2 credits of JROTC replace 1 credit of Wellness requirement

Many university path students select a dual path program (which also meets technical path requirements) for graduation.

Senior Top 10%: To qualify for the Top 10% of the senior class, students must have passed at least one (1) honors course and at least one (1) AP course.

TESTING REQUIREMENT: All students must score proficient or advanced on the Gateway Mathematics, Language Arts and Science tests prior to graduation in Tennessee.

Name: _____
Graduation year: 2010 2011 2012

**Coffee County Central High School
Graduation Checklist - Six Year Plan**

Gateway Tests (Must Pass ALL three)

___ MATH
___ LANGUAGE ARTS
___ SCIENCE

Grade Classifications:

Sophomore: minimum 4 credits earned
Junior: minimum 8 credits earned
Senior: minimum 14 credits earned and must be registered for all courses required for graduation.

A MINIMUM OF 20 CREDITS IS REQUIRED FOR GRADUATION

English (4 credits)

1. English I S1___ S2___
2. English II S1___ S2___
3. English III S1___ S2___
4. English IV S1___ S2___

Science (3 credits)

1. A Physical Science S1___ S2___
2. Biology S1___ S2___
3. Chem, Earth, Ecology, Anatomy or AgriSci. S1___ S2___

Keyboarding (1/2 credit) ___ **CMS (1/2 credit)** ___ NOTE: CMS required beginning with 2011 graduates

Lifetime Wellness (1 credit) S1___ S2___

or
Health(1/2) ___ PE(1/2) ___

ROTC (2 credits)

JROTC I S1___ S2___
JROTC II S1___ S2___

Social Studies (3 credits)

1. World Hist. / Geo / AP Hum Geo S1___ S2___
2. American History or AP AH S1___ S2___
3. Economics, Business Econ, or Marketing Ed. I ___
4. US Government (ABLS or JROTC 3) ___

PATH SELECTION

___ **University Path**

___ **Technical Path**

___ **Dual Path**
(Complete College Path & Career Cluster)

Math (3 credits)

1. Algebra I S1___ S2___
2. Geometry S1___ S2___
3. Algebra II S1___ S2___

Math (3 credits)

1. _____ S1___ S2___
2. Algebra I S1___ S2___
3. Geom, Tech Geom, or Algebra II S1___ S2___

Foreign Language (2 credits)

____ I S1___ S2___
____ II S1___ S2___

Career Cluster (4 credits) _____

1. _____ S1___ S2___
2. _____ S1___ S2___
3. _____ S1___ S2___
4. _____ S1___ S2___

Fine Arts (1 credit)

_____ S1___ S2___

(Keyboarding, Doc. Creation, Am. Bus. & Legal Sys. and Business Econ. can count toward cluster credits)

List all electives below—Minimum of two:

POST SECONDARY OPTIONS (Years 13 & 14):

___ 4 year University
___ Community College
___ Technical / Career School
___ Military
Other: _____

Language Arts Department

English I

1 Credit

English I is a world literature-based course that builds on and integrates language, literary 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 Shakespeare, Homer, and Dickens. Vocabulary is studied continuously in context with literature, and grammar usage and mechanics skills are developed through composition in a variety of formats including essays and research using the MLA format for documentation. Additional emphasis is placed on oral and written communication for personal, expressive, informational, critical, and argumentative purposes. All students will be given the state required end-of-course exam valued at 15% of the second semester grade. A list of required materials will be provided. A lab fee is required.

Honors English I

1 Credit/Prerequisite: Recommend an "A" in 8th grade Language Arts and recommendation of 8th grade Language Arts teacher

Honors English I is an accelerated world literature-based course that contains the same basic content as English I, but a more in-depth study and analysis of works is expected. Additional works and assignments are designed to prepare the student for the rigor of advanced upper-level English courses and success in a college-preparatory curriculum. All students will be given the state required end-of-course exam valued at 15% of the second semester grade. This course is graded on a 103-point scale. A list of required materials will be provided. A lab fee is required.

English II

1 Credit

English II is a world literature-based course that builds on and integrates language, literary 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 Shakespeare, Steinbeck, 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 and research using the MLA format for documentation. Additional emphasis is placed on oral and written communication for personal, expressive, informational, critical, and argumentative purposes. All students will be given the state-required Gateway exam valued at 15% of the second semester grade; passage is required for graduation. A list of required materials will be provided. A lab fee is required.

Honors English II

1 Credit/Prerequisite: Recommend an "A" in English 1 or a "B" in Honors English 1

Honors English II is an accelerated world literature-based course that contains the same basic content as English II, but a more in-depth study and analysis of works is expected. Additional works from writers such as Poe, Eliot, Sophocles, Tolkien, Tennyson, and Williams are covered and assignments are designed to prepare the student for the rigor of advanced upper-level courses and success in a college-preparatory curriculum. Accelerated Reader points and independent projects may also be required. All students will be given the state-required Gateway exam valued at 20% of the yearly average; passage is required for graduation. This course is graded on a 103-point scale. A list of required materials will be provided. A lab fee is required.

English III

1 Credit

English III is a survey of American literature from the colonial period through the Modern Age of the twenty-first century. 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 with a focus on persuasion and persuasive techniques. Grammar usage and mechanics are taught through composition development that culminates in an in-depth study of and preparation for the TCAP Writing Assessment. Up to three novels are assigned each year by authors such as F. Scott Fitzgerald, John Steinbeck, and Mark Twain. A list of required materials will be provided at the beginning of each year. A lab fee is also required.

English IV

1 Credit

English IV is a survey of British literature from the Anglo-Saxon time period to the present in which students will develop English literary 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. A list of required materials will be provided at the beginning of each year. An English fee may also be requested.

AP English III: English Language and Composition

1 Credit/Prerequisite: Recommend an "A" in a regular English II class, or a "B" in an Honors English II class. A 21 on the English subtest of the ACT or a 19 on the PLAN test is recommended.

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. 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. 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.

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 will 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. Internet access permission and a lab fee are required. A workbook may also be required.

Motlow English (Dual Enrollment Course for English IV)

1 Credit/Prerequisite: 3.2 overall GPA and a 3.2 GPA in English with a 19 ACT in English and reading and a 19 composite ACT

This course provides an opportunity for high school students to receive credit for high school and college courses simultaneously. Motlow English is 2 semesters with two ½ credits for English IV and 6 college hours in English. It is recommended that students check with individual colleges concerning transfer credits; however, all Tennessee Board of Regents colleges accept these credits. Students will review advanced grammar and rhetorical skills and prepare about ten formal essays. The class typically meets at 7:00 AM. Students are responsible for fees for the class; however, the Hope Lottery Dual Enrollment Grant provides \$300 per semester. The high school course is graded on 103-point scale.

Gateway English Review (non-English elective)

½ Credit for 1 semester or 1 Credit for 1 year Prerequisite: teacher and/or administrative recommendation

This course covers specific language arts standards as set by the state. Emphasis is placed on the repetitious practice and retaining of these skills. The state-required Gateway exam is taken at the end of the semester or year and must be passed prior to graduation.

Honors Public Speaking (elective)

½ Credit/Prerequisite: At least a "B" average

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 (elective)

½ Credit/Prerequisite: 80 or higher in previous semester English.

Creative Writing provides students with an opportunity to refine their writing skills and abilities beyond what they've learned in previous English/Language Arts courses across four specific sections: Creative Non-fiction, Poetry, and Short Fiction. This course seeks to show students the value and power of writing creatively in a variety of methods, formats, styles, and mediums. This course will also push students toward becoming better readers and listeners in order to compound and expand their writing skills. Students of Creative Writing are strongly encouraged to be independent thinkers, explore and develop their own ideas, and to convey their thoughts and ideas meaningfully through the written word. The students of this course will explore a number of different pieces of writing, cultures, time periods, and modes of thinking to challenge them to expand and improve their own writing. They will be encouraged to identify and amplify connections between their writing, the writing of their peers, and the work of established authors, journalists, essayists, and poets.

Journalism –Newspaper (elective)

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.

Journalism –Yearbook (elective)

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 freshmen members must reapply for sophomore positions. Computer programs such as Adobe Photoshop and InDesign 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 intensive two-part application process (informative & writing), meet academic and behavioral minimums, and complete a staff interview. The final selection will only be made by teacher approval.

Foreign Languages Department

Two credits in the same foreign language are required for graduation on the university path and for admission to most universities.

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.

Honors French I

1 Credit/Prerequisite: Recommend an "A" in previous English/Math Courses or "B" in previous Honors English/Math 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. This course is graded on a 103-point scale.

French II

1 Credit/Prerequisite: French I

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

Honors French II

1 Credit/Prerequisite: Recommend an "A" in French I or a "B" in Honors 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. This course is graded on a 103-point scale.

Honors French III

1 Credit/Prerequisite: Recommend an "A" in French II or "B" in Honors 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. This course is graded on a 103-point scale.

Spanish I

1 Credit/Prerequisite: None

This course provides students with an introduction to the Spanish culture and language, including grammar and conversational skills.

Honors Spanish I

1 Credit/Prerequisite: Recommend an "A" in previous English/Math Courses or "B" in previous Honors English/Math 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: Spanish I

This course is a continuation of Spanish I and emphasizes oral and grammatical proficiency in the language. Spanish literature in the form of short stories, novels, and poetry is also introduced.

Honors Spanish II

1 Credit/Prerequisite: Recommend an "A" 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.

Honors Spanish III

1 Credit/Prerequisite: Recommend an "A" in Spanish II or "B" in Honors Spanish II

This is a course designed for students who are interested in continuing their study of Spanish culture, literature and language. Students should possess a strong background from previous levels of Spanish since this course does not include a review. This course is graded on a 103-point scale.

Honors Latin I

1 Credit/Prerequisite: Recommend an "A" in previous English & Math courses or a "B" in previous honors English & Math courses

This introductory course emphasizes reading, grammar, word derivation and the Roman culture. This course is graded on a 103-point scale.

Honors Latin II

1 Credit/Prerequisite: Honors Latin I

This is a continuation of Latin I with emphasis on reading and grammatical proficiency. Latin literature is also introduced. This course is graded on a 103-point scale.

Honors Latin III

1 Credit/Prerequisite: Recommend an "A" or "B" in Honors Latin II

This is an intensive college preparatory course designed for students with an interest in advanced Latin grammar and literature. This course is graded on a 103-point scale.

Social Studies Department

World Geography

1 Credit/Prerequisite: None

The relationship between man and his physical environment with emphasis on cultural and economic aspects will be studied. Comparative studies of climate and political regions will be included.

AP Human Geography

1 Credit/Prerequisite: Recommend an "A" in previous social studies course or a "B" in a previous honors social studies course; A 21 ACT or 19 PLAN test score in reading is recommended.

AP Human Geography provides a systematic study of human geography including the following topics: Nature and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development and Cities and Urban Land Use. The course teaches the use of spatial concepts and landscape analysis and spatial relationships. Students will learn how to use and interpret maps, data sets, and geographic models. This course is graded on a 105-point scale.

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.

AP World History

1 Credit/Prerequisite: Recommend an "A" in previous social studies course or a "B" in a previous honors social studies course; A 21 ACT or 19 PLAN test score in reading is recommended.

The AP course is intended for students who wish to approach World History at an advanced level. The course is taught as a first-year college course with emphasis on historical writing and research in preparation for the AP exam in May. Students will be expected to write several analytic essays and the reading requirement will be approximately 20 pages a night. This course is graded on a 105-point scale.

American History

1 Credit/Prerequisite: None

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 American 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 course concludes with an End-of-Course exam, which is a cumulative statewide American History assessment.

AP American History

1 Credit/Prerequisite: Recommend an "A" in previous social studies course; or a "B" in a previous honors 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. Students are also required to take the End-of-Course exam, which is a cumulative statewide American History assessment. 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.

AP U. S. Government & Politics

1 Credit/Prerequisite: Recommend an "A" in previous social studies course; or a "B" in a previous honors social studies course; A 21 ACT or 19 PLAN test score in reading is recommended.

AP United States Government and Politics 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: None

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.

Honors Economics

½ Credit/Prerequisite: Recommend an "A" in previous year social studies course or a "B" in an honors level 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: Recommend an "A" in previous social studies course; or a "B" in a previous honors 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. The course will provide students with frequent practice in writing analytical and interpretative essays. This course is graded on a 105-point scale.

Psychology

½ 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: Recommend an "A" in previous year social studies course or a "B" in an honors level 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. This course is graded on a 105-point scale.

Sociology

½ 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.

Science Department

It is the goal of the Science Department to provide a variety of courses that will accommodate the needs and interests of students at Coffee County Central High School. The Accelerated Program allows the student to take higher level classes and possibly earn college credit while still in high school by taking the Advanced Placement Test. Tennessee colleges and universities require a minimum of three sciences, and most out-of-state institutions require four credits. One credit must be drawn from the physical sciences. All students are required to take Biology and pass the Biology Gateway exam to graduate. The remaining credit can be either from life or physical science courses. All the courses listed here are laboratory sciences.

General Program	Accelerated Program
Physical World Concepts	Honors Physical World Concepts
Agriscience*	Honors Agriscience*
Biology*	Honors Biology*
Earth Science	AP Biology *
Chemistry	Honors Earth Science
Environmental Science	Honors Chemistry
Anatomy and Physiology*	AP Chemistry II
	Honors Physics
	AP Environmental Science
	Honors Anatomy and Physiology*

*Life Science course

GENERAL PROGRAM

Physical World Concepts

1 Physical Science Credit/Prerequisite: None

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter. A laboratory fee is required.

Agriscience

1 Life Science Credit/Prerequisite: Grade 9 only

This course consists of standards designed to prepare students for biology and subsequent sciences. The content area covers ecology, biological processes, reproduction and a study of chemical and physical laws that govern life. This course assists students in understanding the important role science serves as the agricultural industry moves into the 21st century. A laboratory fee is required.

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. This course requires the successful completion of a Gateway test prior to graduation. Dissection is part of the lab experience. A laboratory fee is required.

Earth Science

1 Physical Science Credit/Prerequisite: Grades 11 or 12

This course is designed to give you an understanding of the composition, properties, environment and climate of the earth. The solar system is also covered along with aspects of the space program. There are various lab activities and projects. This course is not recommended for university path students; however, it does fulfill the physical requirements for graduation. It is geared to fill the needs of 11th and 12th grades students who need the third science credit and are not attending college. A laboratory fee is required.

Chemistry

1 Physical Science Credit/Prerequisite: Recommend Algebra 1 with a minimum grade of C

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. A laboratory fee is required.

Environmental Science

1 Physical Science credit/Prerequisite: Grades 11 or 12; Biology and Physical Science

Environmental Science is the study of terrestrial and freshwater ecosystems, environmental issues, techniques of laboratory and field studies, and sources and control of pollution. The content includes energy flow, ecosystems, biomes, native flora and fauna, pollution, and environmental law. One day long field trip is scheduled for this class. A laboratory fee is required.

Anatomy & Physiology

1 Life Science Credit/Prerequisite: Grades 11 or 12

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. A laboratory fee is required.

ACCELERATED PROGRAM

Honors Physical World Concepts

1 Physical Science Credit/Prerequisite: Recommend an "A" in 8th grade science or "B" in Honors 8th grade science

This course includes the same content area as Physical Science but is designed for the accelerated student and lays a foundation for continued advanced studies in chemistry and physics. This course is graded on a 103-point scale. A laboratory fee is required.

Honors Agriscience

1 Life Science Credit/Prerequisite: Recommend an "A" in 8th grade science; 9th grade only

Honors Agriscience contains the same content as Agriscience but is designed for the accelerated student. This course is graded on a 103-point scale. A laboratory fee is required.

Honors Biology

1 Life Science Credit/Prerequisite: Recommend an "A" in ninth grade science or "B" in honors ninth grade science. 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. This course requires the successful completion of a Gateway test prior to graduation and is graded on a 103-point scale. Dissection is required. A laboratory fee is required.

AP Biology

1 Life Science Credit/Prerequisite: Recommend an "A" in Biology and Chemistry or "B" in Honors Biology and Honors Chemistry. A 21 on the ACT or 19 PLAN test score on the Science subtest is recommended. Students must have completed Chemistry or currently be enrolled in Honors Chemistry.

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. 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. A laboratory fee is required.

Honors Earth Science

1 Physical Science Credit: Prerequisite- Recommend at least a "B" in both World Geography and Algebra 1

The honors earth science course runs at a faster pace and also includes more activities and projects per each grading period. This class would be geared toward those students who are planning a career in geology, astronomy, the space program, etc. This course is recommended for both technical and university path students who are interested in the technical aspects of science. This course is graded on a 103 point scale. A laboratory fee is required.

Honors Chemistry

1 Physical Science Credit/Prerequisite: Recommend an "A" in Algebra 1 and Physical Science or Honors Physical or Agriscience or a "B" in Honors Algebra 1

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. A laboratory fee is required.

AP Chemistry II

1 Physical Science Credit/Prerequisites: Recommend an "A" in Chemistry or "B" in Honors Chemistry, an "A" in Algebra I or a "B" in Honors 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. This course is graded on a 105-point scale. A laboratory fee is required.

Honors Physics

1 Physical Science Credit/Prerequisite: Recommend an "A" in Algebra I or a "B" in Honors 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. A laboratory fee is required.

AP Environmental Science

1 Physical Science Credit/Prerequisite: Grades 11 or 12; Biology and either Physical Science, Chemistry, or Physics. Recommend an "A" in Biology or a "B" in Honors Biology or AP Biology

This course is an introductory college level course in environmental science. Honors Environmental Science examines the environment and man's impact on it. Students will develop an understanding of what an ecosystem is and the elements that determine the types and numbers of organisms that live there. Students will look at air, water, and soil and how they sustain the biosphere (life). The role of humans will be examined and students will distinguish the impact these changes have had on the world. Students will research problems, propose possible solutions and predict potential obstacles to the implementation of these solutions. These activities and projects will be oriented towards performing labs, collecting data, analyzing the information and drawing conclusions that are supported by the data to create solutions. A stream study, biome study, and other field trips are an important part of the field work associated with this class. This class is graded on a 105 point scale. A lab fee is required.

Honors Anatomy & Physiology 11-12th Grade

1 Life Science Credit/Prerequisite: Recommend an "A" in Biology or a "B" in Honors Biology or AP 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. A laboratory fee is required. This course is graded on a 103-point scale.

Mathematics Department

9th Grade	10th Grade	11th Grade	12th Grade
Foundations II	Algebra I - TP	Technical Geometry	
Foundations II	Algebra I - UP	Geometry OR Honors Geometry	Algebra II OR Honors Algebra II
Algebra I - UP	Geometry OR Honors Geometry	Algebra II OR Honors Algebra II	Honors PreCalculus OR AP Statistics
Algebra I - UP	Geometry OR Honors Geometry AND Algebra II OR Honors Algebra II	Honors PreCalculus	AP Calculus AND/OR AP Statistics
Algebra I - UP	Geometry OR Honors Geometry AND Algebra II OR Honors Algebra II	Honors PreCalculus AND AP Statistics	AP Calculus
Honors Geometry	Algebra II OR Honors Algebra II	Honors PreCalculus	AP Calculus AND/OR AP Statistics
Honors Geometry	Algebra II OR Honors Algebra II	Honors PreCalculus AND AP Statistics	AP Calculus
Honors Geometry AND Honors Algebra II	Honors PreCalculus	AP Statistics	AP Calculus

AP Computer Science may be taken after Algebra I as an elective (recommend a minimum grade of "B").

Foundations II

1 Credit/Prerequisite: Grades 10, 11, 12 only

This is a transitional course from elementary mathematics to Algebra I. Content includes basic operations with whole numbers, functions, decimals, equations, polynomials, and elementary statistics.

Algebra I – TP (Technical Path)

1 Credit/Prerequisite: Foundations II; Grades 10, 11, 12 only

This course is designed as a beginning course in the operations and concepts of elementary algebra. The content will include sets of numbers, operation in real numbers, problem solving, graphing, polynomials and factoring, and functions and equations. Preparation for the Gateway test is emphasized. This course is designed for students on the technical path, not planning to attend college.

Algebra I – UP (University Path)

1 Credit/Prerequisite: Foundations II; Grades 10, 11, 12 only

This course is designed as an introductory course for college-bound students. It covers the operations and concepts of elementary algebra. Content will include sets of numbers, operations in real numbers, problem solving, graphing, polynomials and factoring, and functions and equations. Preparation for the Gateway test, as well as higher level math will be emphasized.

Algebra II

1 Credit/Prerequisite: 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. Algebra II is a required course for university path. Students on the technical path must have at least one credit in Algebra II or Geometry.

Honors Algebra II

1 Credit/Prerequisite: Recommend an "A" in Algebra I or "B" in Honors 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.

This course is for college path students and is graded on a 103-point scale.

Technical Geometry

1 Credit/Prerequisite: 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 on the technical path who are not planning on attending college.

Geometry

1 Credit/Prerequisite: Algebra I

This course includes concepts of both deductive and inductive reasoning, angle relationships, parallel and perpendicular lines, congruency of triangles, coordinate geometry, triangle inequality, similarity, right triangle trigonometry, circles, polygons, and area. Geometry is a course that requires higher-order thinking. Knowledge and use of correct vocabulary and reading comprehension skills are vital. Good equation-solving skills are also necessary. It is recommended for university path students.

Honors Geometry

1 Credit/Prerequisite: Recommend an "A" in Algebra I or "B" in Honors Algebra I

Honors Geometry is a continuation of Honors Algebra I and a prerequisite of Honors Algebra II. Geometry is the study of space and its mathematical constructs. The course of study will be paced to meet both the individual student needs and prepare students for future, challenging courses. Students will be exposed to situations that will require them to develop their deductive and inductive reasoning skills, both formally and informally. Within the class, students will develop these skills by actively participating in lessons and integrating their knowledge about a particular topic. It should be noted that this course is at an accelerated pace with a comprehensive scope. It is recommended for college path students and is graded on a 103-point scale.

Honors PreCalculus

1 Credit/Prerequisite: Algebra II and Geometry

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. It is recommended for college path students and is graded on a 103-point scale.

AP Statistics

1 Credit/Prerequisite: Sophomore & Juniors must have completed Honors PreCalculus or currently enrolled in Honors PreCalculus. Seniors- Recommend an "A" in Algebra II or "B" in Honors Algebra II to take AP Statistics without Honors PreCalculus

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 PreCalculus

This course is designed to allow students to work with functions in a variety of ways: graphical, numerical, analytical, and verbal. Emphasis will be placed on limits, integral and differential calculus, and their applications to science, business, and medicine. 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 Computer Science

1 Credit/Prerequisite: Recommend at least a "B" in Algebra I; Grade 10, 11, or 12

AP Computer Science is an introductory course in computer science. Because the development of computer programs to solve problems is a skill fundamental to the study of computer science, a large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. The course also emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. This course is intended to represent the content of a full-year, entry-level college computer science sequence.

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. It is a year-long class.

Women's Chorale

1 Credit/Prerequisite: Audition Required

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

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

Band is designed for the intermediate and advanced level band student. 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.

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: Recommend an "A" or "B" in previous music course; must be a Junior or Senior.

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. This course is graded on a 105-point scale.

Theater Arts-Drama

1 credit/Prerequisite: None

The Theater Arts class involves acquiring both the knowledge and the skills of theater as a dramatic action. Students participate in theater activities including theatre appreciation, history, production, analysis, and evaluation. The course requirements include acting, writing, vocalization, movement, hands-on production work, and auditioning. In addition, the course will require extensive after-school time for rehearsals and performances.

Visual Art I

½ Credit/Prerequisite: None

This course provides an understanding and application of the art elements and principles of design using a variety of media and mediums. This course is designed to meet part of the university path requirement for graduation.

Visual Art II

½ Credit/Prerequisite: Visual Art I

This course is concentrated art studio production using a variety of media based upon the critical art model: describing, analyzing, judging, interpretation, applying critical thinking skills written reflections, and connecting learning to the real world. This course is designed to meet part of the university path requirement for graduation.

AP Studio Art

1 Credit

This course will have an intense concentration in drawing. Students will explore and develop their talents in different media related to this discipline. It is intended for highly motivated students who are seriously interested in the study of art. Commitment and accomplishment in the study of art is essential for the successful completion of this course.

HPER / JROTC Department

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.

PE (Physical Education)

½ Credit/Prerequisite: None

Students are introduced to the fundamentals of team and individual 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 half of the graduation requirement of 1 credit in Lifetime Wellness.

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

½ Credit/Prerequisite: Must be at least 15 years of age to take this course or turn 15 during the time taking the course

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

1-3 Credits/ Prerequisite: Must complete JROTC 1 before JROTC 2 or 3

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. The history of aviation is presented in AS1. The principles of flight and astronomy/exploration of space will be taught in alternate years for levels 2 and 3. Students will be exposed to such subjects as human relations, management of resources, and speaking skills that can prepare them for leadership in the civilian or military field in Aerospace 1, 2, and 3. Military customs and courtesies, flag etiquette, basic drill positions, movements, and commands are basic aspects of the courses. Voluntary extracurricular/after school activities include drill team, color guard, air rifles, orienteering, model rocketry, hiking, camping, summer camp, and community service projects. Uniform wear, one day a week, is mandatory to pass the courses. 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. Uniforms should 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.

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 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

Students who are on the technical path or the dual path must complete four credits in a career cluster.

Agricultural Education

Agriscience

1 Credit/Prerequisite: 9th grade

This course consists of standards designed to prepare students for biology and subsequent sciences. The content area covers ecology, biological processes, reproduction and a study of chemical and physical laws that govern life. This course assists students in understanding the important role science serves as the agricultural industry moves into the 21st century.

*This course counts as a science elective for graduation.

Honors Agriscience

1 Credit/Prerequisite: Recommend an "A" in 8th grade science. Must be in 9th grade

Honors Agriscience contains the same content as Agriscience but is designed for the accelerated student. This course is graded on a 103-point scale.

*This course counts as a science elective for graduation.

Advanced Principles of Agriculture

1 Credit/Prerequisite: None

This course includes standards that challenge students to plan for a career in agriculture. Emphasis is placed on gaining an understanding of necessary skills to be successful in the 21st century agricultural industry.

Small Animal Care

½ Credit/Prerequisite: None

This course focuses on preparing students for careers in managing and caring for specialty and pet animals.

Horse Science

½ Credit/Prerequisite: None

This course is designed to help students develop a basic understanding of equine handling, health, maintenance, reproduction, selection and management.

Veterinary Science

1 Credit/Prerequisite: Agriscience; Grade 11 or 12

Veterinary Science challenges students to use advanced technologies and medical treatments to maintain the health of animals. The animal health industry continues to grow in importance and prominence as more people purchase animals for pleasure and sustenance.

Agriculture Mechanics and Maintenance

1 Credit/Prerequisites: Advanced Principles of Agriculture

This course includes standards to prepare students for operational procedures for a shop or a home environment. Students learn basic skills in areas ranging from welding and electricity to land measuring and plumbing.

Honors Agriculture Mechanics and Maintenance

1 Credit/Prerequisite: Recommend an "A" in Advanced Principles of Agriculture

Honors Agriculture Mechanics and Maintenance contains the same content area as Agriculture Mechanics and Maintenance but is designed for the accelerated student. This course is graded on a 103-point scale.

Agricultural Engineering

1 Credit/Prerequisite: Agricultural Mechanics and Maintenance

This course includes standards on metal fabrication and agricultural structures. Subject matter includes hot/cold metal work, cost and material computation, electric wiring and codes, engine service and repair, blueprint reading and drawing and selection of appropriate materials for projects.

Honors Agricultural Engineering

1 Credit/Prerequisite: Recommend an "A" in Agricultural Mechanics and Maintenance

Honors Agricultural Engineering covers the same content area as Agricultural Engineering but is designed for the accelerated student. This course is graded on a 103-point scale.

Supervised Agricultural Experience

½ Credit

The purpose of the supervised agricultural experience credit is to allow students the opportunity to receive credit outside the classroom experience. Skills may be learned through hands-on, work-based situations. The SAE allows students to apply the skills learned in the agriculture education classroom to a prospective career. Agricultural education teachers, school administration, parents and employers will supervise students. Students must be enrolled in an agricultural class. To receive the SAE credit, a student must complete a total of 180-recorded hours during their 9th, 10th, and 11th grades.

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.

See Agriculture Instructor for these forms and prior approval.*

Business Technology Education

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).

Keyboarding/Career Management Success- 9th

½ Credit/EACH/Prerequisite: 9th Grade

In this course students will spend one semester focusing on basic keyboarding fundamentals and the other semester learning all aspects of career planning.

Keyboarding

½ Credit/Prerequisite: None

This course is designed to assist students in mastering the touch method of key stroking. Emphasis is placed on development of speed and accuracy. Composition at the keyboard is introduced. Students will use the keyboard to produce personal and business correspondence.

Personal Finance

½ Credit/Prerequisite: None

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.

Document Layout & Design

½ Credit/Prerequisite: Keyboarding

This course emphasizes production of business applications, including design and layout and speed and accuracy. Simulated real projects are used for problem solving and document preparation. The student will use a hands-on approach to develop proficiency in document creation and design.

Financial Planning

1 Credit/Prerequisite: None

This course is designed to develop skills in the use of financial principles in making business decisions and emphasizes math skills related to personal and business finances through hands-on simulations. Students will study the allocation of financial resources, the effects of finance and credit institutions on the business community, and the impact of financial decisions on the consumer market.

Accounting I

1 Credit/Prerequisite: Keyboarding

This course introduces concepts and principles based on a double-entry system of maintaining the financial records of a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journals, posting, and preparation of worksheets and financial statements. It also applies generally accepted accounting principles, procedures, and techniques to a computerized accounting environment. Students will enter realistic accounting transactions for a variety of business applications and will generate financial statements, spreadsheets, and other management information reports.

Honors Accounting I

1 Credit/Prerequisite: Recommend an "A" in Algebra I

Honors Accounting I includes the same content area as Accounting I but is designated for the accelerated student. This course is graded on a 103-point scale.

Accounting II

1 Credit/Prerequisite: Accounting I

This course provides students with an advanced study of concepts, principles and techniques that build on Accounting I competencies. It emphasizes departmental, management, cost and not-for-profit accounting systems.

Honors Accounting II

1 Credit/Prerequisite: Recommend an "A" in Accounting I

Honors Accounting II includes the same content area as Accounting II but is designed for the accelerated student. This course is graded on a 103-point scale.

Banking & Finance

1 Credit/Prerequisite: Keyboarding, Accounting I and/or Financial Planning

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.

This course requires Banking & Finance teacher approval prior to registration, is limited to juniors and seniors only, and is only offered during 4th period.

Honors Banking & Finance

1 Credit/Prerequisite: Recommend an "A" in Keyboarding, Accounting I and/or Financial Planning

Honors Banking & Finance includes the same content as Banking & Finance with additional projects and assignments being required. This course is graded on a 103-point scale.

This course requires Banking & Finance teacher approval prior to registration, is limited to second-year banking students and seniors only, and is only offered during 4th period.

Computer Applications

1 Credit/Prerequisite: Keyboarding

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.

Honors Computer Applications

1 Credit/Prerequisite: Recommend an "A" in Keyboarding

Honors Computer Applications includes the same content area as Computer Applications but is designed for the accelerated student. This course is graded on a 103-point scale.

Integrated Input Technology - A

1 Credits/ Prerequisite: Computer Applications

This course is designed to assist students in learning necessary skills in problem solving using current and emerging integrated technology. Students learn advance-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.

Honors Integrated Input Technology -A

1 Credits/ Prerequisite: Recommend an "A" in Computer Applications

Honors Integrated Input Technology includes the same content area as Integrated Input Technology; however, it is designed for the accelerated student. This course is graded on a 103-point scale.

Integrated Input Technology -B

1 Credits/ Prerequisite: Computer Applications

This course is a continuation of Integrated Input Technology- A with more hands-on and job-entry level projects for the students to complete. This course is designed to assist students in learning necessary skills in problem solving using current and emerging integrated technology. Students learn advance-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.

Honors Integrated Input Technology-B

1 Credits/ Prerequisite: Recommend an "A" in Computer Applications

This course is a continuation of Honors Integrated Input Technology- A with more hands-on and job-entry level projects for the students to complete. Honors Integrated Input Technology includes the same content area as Integrated Input Technology; however, it is designed for the accelerated student. This course is graded on a 10

Web Page Design-Site Designer

1 Credit/Prerequisite: Keyboarding

This course instructs students in the basic coding of HTML and XHTML Web Page design. Students begin with a brief history of the Web then move on to creating a simple page using a basic text editor. Additional topics include adding color, changing fonts, adding pictures and clip art, linking to other sites, using tables and designing with frames, forms and cascading style sheets. Students also learn how to add sound and video clips. Finally, students are introduced to creating Web designs in PowerPoint, Word, and various other commercial off-the-shelf packages.

Information Technology Foundations

1 Credit/Prerequisite: Keyboarding Recommended

This course instructs students in the basics of computer repair. Students begin with a brief history of the computer then move on to computer hardware identification and fundamentals. Students will acquire basic electrical theory in the area of alternating and direct current, basic circuits, power supplies, metering and soldering computer components, binary and hexadecimal numbering, and truth tables. Students investigate computer-related careers and develop paths for post-secondary or industry certification.

Computer Operating Systems and Hardware

1 Credit/Prerequisite: Information Technology Foundations

This course is a continuation of the Information Technology Foundations class with a focus on operating systems. Students are instructed in the installation, upgrade and boot sequence of various operating systems including DOS, Windows 95/Me, 2000/NT/XP, Vista, and Linux. Students compare and contrast FAT and NTFS file systems, create emergency repair disks, and locate, install, and configure device drivers for installed hardware.

Interactive Multimedia

1 Credit/Prerequisite: Keyboarding/Suggested Computer Applications

Interactive Multimedia is a course that will help the student become a skilled and creative user of current multimedia technology. The purpose of this course is to increase the students understanding of multimedia concepts and techniques. Course topics include the history and evolution of multimedia, ethics, copyright laws and Netiquette, careers in the multimedia field, creating multimedia projects utilizing PowerPoint and Windows Movie Maker, Digital Photography, Sound and Video Production, and Web Publishing.

Honors Interactive Multimedia

1 Credit/Prerequisite: Recommend an "A" in Computer Applications

Honors Integrated Input Technology includes the same content area as Interactive Multimedia; however, it is designed for the accelerated student. This course is graded on a 103-point scale.

American Business and Legal Systems*

½ Credit/Prerequisite: None

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 and be better prepared to influence the future decisions in the public and private sectors of the United States of America.

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

Honors American Business and Legal Systems*

½ Credit/Prerequisite: Recommend an "A" in previous year Business Technology course*

This course provides the same content as American Business and Legal Systems with additional projects and assignments being required and is designed for self-disciplined students who are preparing for post-secondary education. Students enrolling in the honors course should have exemplary attendance and study skills. This course is graded on a 103-point scale.

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

Business Economics*

½ Credit/Prerequisite: None

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.

*Business Economics substitutes for the economics graduation requirement.

Honors Business Economics*

½ Credit/Prerequisite: Recommend an "A" in previous year Business Technology course

This course provides the same content as Business Economics with additional projects and assignments being required and is designed for self-disciplined students who are preparing for post-secondary education. Students enrolling in the honors course should have exemplary attendance and study skills. This course is graded on a 103-point scale.

*Honors Business Economics substitutes for 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.***

Family and Consumer Sciences

Family and Consumer Science

1 Credit/Prerequisite: None

This course is a comprehensive, foundation course designed to assist students in developing the core knowledge and skills needed to manage their lives. Emphasis is on leadership, human development, family and parenting education, consumer economics, and resource management, housing and living environments, nutrition and foods, textiles and apparel, and career preparation.

Family and Parenting Education

½ Credit/Prerequisite: None

This course emphasizes the significance of the family as a basic unit of society and its impact on the well-being of individuals and society. The major focus is on preparation of marriage, parenthood, and the responsibilities for successful management of family life. Each student is required to take home a "computerized doll" for one weekend for which to be solely responsible. Students also get opportunities to work directly with children in pre-school facilities.

Nutrition and Foods

1 Credit/Prerequisite: None

In this course students learn in importance of food, principles of nutrition, and the relationship of nutrition to health and well-being. This course assists students in developing skills in selection, preparation, storing and serving food, meal management to meet individual and family nutrition needs across the life span, and optimal use of food resources. Careers and occupations in nutrition and the food industry will be explored. A fee is not required.

Honors Nutrition and Foods

1 Credit/Prerequisite: Recommend an "A" in Lifetime Wellness

Honors Nutrition and Foods contains the same content as Nutrition and Foods but is designed for the accelerated student. This course is graded on a 103-point scale.

Life Connections

1 Credit/Prerequisite: None

This course is designed to provide students with an understanding of how to plan for and manage careers in a continuously changing workplace. Students will learn the importance of exploring multiple career paths and building on the inter-relatedness between occupations when applying career development strategies throughout the life span.

Child & Lifespan Development

½ Credit/ Prerequisite: None

This course is a specialized course that prepares students to understand the physical, social, emotional, and intellectual growth and development of children. The course is designed to help young people acquire knowledge and skills essential to the care and guidance of children as a parent or caregiver.

Culinary Arts I

1 Credit/Prerequisite: Grades 10-11

The first level of Culinary Arts prepares students for gainful employment and/or entry into post-secondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities and by developing food preparation and service and interpersonal skills. Laboratory facilities, which simulate commercial food production and service operations, offer students hands-on experience.

Culinary Arts II

1 Credit/Prerequisite: Culinary Arts I

This second-level Culinary Arts course provides students the opportunity to acquire marketable skills by demonstrating the principles of safety and sanitation, food preparation skills, and teamwork to manage an environment conducive to quality food production and service operations.

Honors Culinary Arts II

1 Credit/Prerequisite: Recommend an "A" in Culinary Arts I

Honors Culinary Arts II covers the same content as Culinary Arts II but is designed for the accelerated student. This course is graded on a 103-point scale.

Work-Based Learning- Culinary Arts III & Food and Nutrition

1-2 Credits/ Prerequisite: 12th grade; at least Culinary Arts I and Teacher approval

Work-Based Learning is a method of instruction whereby students coordinate their studies with a paid job in a field related to their Family and Consumer 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. See Culinary Arts Instructor for these forms and prior approval.***

Health Science Education

Health Science Education

1 Credit/Prerequisite: Grades 10-12

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 people. 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 credit-Grades 11-12

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.

Emergency Medical Services (EMS)

1 Credit/Prerequisite: Health Science Education Credit -Grades 11-12.

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.

Marketing Education

Marketing & Management I - Principles

1 Credit

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. Students enrolled in this course are eligible for DECA membership. Successful completion of the course gives students the opportunity to enroll in work-based learning during their senior year. This course substitutes for the economics graduation requirement.

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 Marketing & Management II are eligible for DECA membership.

Honors Marketing & Management II – Advanced Strategies

1 Credit/Prerequisite: Recommend an "A" in Marketing & Management I – Principles

Honors Marketing & Management II offers the same content as Marketing & Management II but is designed for the accelerated student.

Retail Operations

1 Credit/Prerequisite: Marketing & Management I

Retail Operations offers students the opportunity to learn marketing skills needed in the fast-paced world of retailing. In this course, the student will learn that retailing is a significant and vital component to the United States economy and is quickly becoming an integral part of the global economy. 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 and are eligible for DECA membership.

Honors Retail Operations

1 Credit/Prerequisite: Recommend an "A" in Marketing & Management I

Honors Retail Operations offers the same content as Retail Operations but is designed for the accelerated student.

Work-Based Learning - Marketing

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

Marketing & management I, Marketing & Management II, or Retail Operations

Work-Based Learning is a method of instruction whereby students coordinate their studies with a paid job in a field related to their marketing 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. See Marketing Instructor for these forms and prior approval.***

Trade & Industrial Education

Career Management Success

½ Credit/Prerequisite: None

This course is strongly recommended for any student interested in Trade and Industry. All students would benefit from this course that emphasizes career discovery, selection, and planning.

Construction Sub-Cluster

Computer-Aided Design

1 Credit/Prerequisite: Recommended Algebra 1 or Technical Algebra

Computer-Aided Drafting is a course in which students learn the basic concepts of scale drawings and orthographic projections by making simple two- and three-dimensional drawings using manual drafting tools and computer-aided design (CAD). Course content will enable students to make the transition into the use of CAD software by having them make increasingly sophisticated drawings. Students working in teams will culminate in a class project to create a complete set of construction and assembly drawings for mechanical product.

Advanced Computer-Aided Drafting A

1 Credit/ Prerequisite: Computer-Aided Design

Recommended Algebra 1 or Technical Algebra, Geometry or Technical Geometry

Advanced Computer-Aided Drafting is a course in which students will learn to use a CAD program to create engineering drawings including plan drawings, assembly drawings, welding and process drawings, cross sections, 3D representations, and bills of materials. This course consists primarily of individual drawing projects with some group projects. Emphasis is on drawing projects of increasing complexity.

Advanced Computer-Aided Drafting B

1 Credit/ Prerequisite: Advanced Computer-Aided Drafting A

Recommended Algebra 1 or Technical Algebra, Geometry or Technical Geometry

This course is a continuation of Advanced Computer-Aided Drafting A involves more hands-on and job-entry level projects for the students to complete.

Basic Principles of Welding

1 Credit/Prerequisite: None

In this course, students learn basic skills and knowledge related to cutting and welding applications. Welding and cutting skills will be developed in the context of a series of projects.

Advanced Welding Applications - A

1-Credit/ Prerequisite: Basic Principles of Welding

This second-level course encourages students to learn more advanced techniques and skills related to cutting and welding applications. This is not an honors course.

Advanced Welding Applications - B

1-Credit/ Prerequisite: Advanced Welding Applications A

This course is a continuation of Advanced Welding Applications A with more hands-on and job-entry level projects for the students to complete.

Human Services Sub-Cluster

Principles of Cosmetology

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

1 Credits/ Prerequisite: Principles of Cosmetology

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

1 Credit/Prerequisite: Design Principles of Cosmetology

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.

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

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

1 Credit/Prerequisite: Criminal Justice I & II

Students will work together as teams to formulate topics for research. Students will conduct research on criminal justice related topics of their choice. The students will be allowed to formulate and present statistical data. Students will participate in forensic labs and activities for a more hands-on experience. Students are encouraged to look outside the classroom as part of their research-gathering activities that will provide more context, detail, and real-life activities.

Manufacturing Sub-Cluster

Principles of Manufacturing

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 covers customers, quality principles and processes, systems, information in the workplace, and the business of manufacturing.

Principles of Machining and Manufacturing

1 Credits/ Prerequisites: Principles of Manufacturing

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.

Principles of Engineering

1 Credit/Prerequisites: Geometry or Technical Geometry is strongly recommended or Principles of Manufacturing and Principles of Machining and

Manufacturing. This generally is a senior level course.

This course is designed for students interested in entering the engineering field. Students will explore the nature of engineering and the skills fundamental to all engineering fields, as well as the role of quality-assurance and quality control procedures in manufacturing. Emphasis is placed on actual projects and presentations and the use of modern tools.

Honors Principles of Engineering

1 Credit/Prerequisite: Geometry or Technical Geometry is strongly recommended or Principles of Manufacturing and Principles of Machining and

Manufacturing. This generally is a senior level course.

Honors Principles of Engineering includes the same content as Principles of Engineering but is designed for the accelerated student. This course is graded on a 103-point scale. The honors student will be expected to complete a separate and independent project each quarter to account for the extra 3 points.

Manufacturing Applications

1 Credit/Prerequisite: 12th grade, Principles of Manufacturing, Principles of Machining and Manufacturing

Manufacturing Applications is a 12th grade course for students interested in entering the workforce or pursuing higher education in the manufacturing area. The course requires students to solve problems in a real-world manufacturing context. This course is the next level class following Principles of Machining and Manufacturing.

Work-Based Learning - Trade & Industry

1-2 Credits/ Prerequisite: 12th grade, teacher approval, enrolled in trade and industry course

Work-Based Learning is a method of instruction whereby students coordinate their studies with a paid job in a field related to their trade and industry 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. See Trade and Industry Instructor for these forms and prior approval.***

Transportation Sub-Cluster

Transportation Core

½ Credit/Prerequisite: None

This course prepares students for entry into all transportation courses. Students will explore career opportunities and requirements of a professional service technician. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills. *This course is highly recommended for any student on the technical path planning to concentrate in the Manufacturing, Construction, and Transportation cluster areas.

Automotive: Brake Systems

1 Credit/Prerequisite: None, although Transportation Core and Career Management Success are highly recommended.

This course offers training in the diagnosis and repair of hydraulic, mechanical, and electrical systems used in standard and anti-lock brake systems. Educational experiences simulate automotive service industry operations through training aids, and laboratory facilities.

Automotive: Suspension & Steering

1 Credits/ Prerequisite: Highly recommended Transportation Core and Automotive Brake Systems

This course prepares students for entry-level positions or advanced training in automotive suspension and steering systems. Course material covers the principles of automotive suspension and steering systems and four-wheel suspension alignment. This course provides the student the opportunity to acquire marketable skills by training in wheel alignment and the testing, diagnosis, and repair of steering and suspension systems. Lab facilities and experiences simulate automotive service industry operations.

Automotive: Electrical/Electronics

1 Credit/ Prerequisite: Highly recommended Transportation Core, Steering and Suspension, and Brake Systems

This course prepares students for entry-level positions or advanced training in automotive electrical and electronics systems. Students apply principles of electronics to automotive technology and develop diagnostic skills. The course provides students the opportunity to acquire marketable skills by training the use of digital and analog voltmeters ohmmeters, and amp-meters; as well as oscilloscopes, test-lights, load-testers, and specialized electrical test equipment.

Collision Repair: Non-Structural

1 Credit/Prerequisite : None, although Transportation Core and Career Management Success are highly recommended.

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.

Collision Repair: Structural

1 Credit/ Prerequisite: Collision Repair: Non-Structural

This course prepares students to analyze structural collision damage to a vehicle, determine 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 repairs to vehicle frames and glass.

Collision Repair: Painting and Refinishing

1 Credit/ Prerequisite: Collision Repair: Non-Structural and 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.

COFFEE COUNTY CENTRAL HIGH SCHOOL

WORK-BASED LEARNING POLICIES

Note - Policies apply to all student learners regardless of age.

- **THE WORK-BASED LEARNING PROGRAM IS A PRIVILEGE NOT A RIGHT.**
- Student learners will not have early dismissal for the first week of school. Also, on progress report days and report card days students will stay with their coordinator during assigned coop classes. Students should inform employers of this policy so that work schedules can be adjusted.
- The student learner should begin the school year with employment, but if a job has not been obtained the student has 2 weeks to find one before being dropped from the program.
- The student learner must be employed the entire school year at the same jobsite. Job changes will be done only with prior permission of the coordinator. Failure to comply with this policy will result in a failing grade and dismissal from the program.
- The student learner will be required to maintain a work calendar and show proof of hours worked by turning in copies of paycheck stubs.
- Student learners are not allowed to work for family members.
- The student learner must be a senior and at least 16 years old.
- The employer must carry workman's compensation insurance (if applicable), and the student must show proof of medical insurance.
- The student learner must work some hours during school release times. At least half of work hours should be done during the week. Saturday and Sunday hours alone do not qualify for credit.
- The student learner must have their own transportation. (Students are not to ride with other students).
- The student learner must show proof of auto insurance and a valid driver's license.
- The student learner will not exceed the maximum of 10% absenteeism (18 days) for the year. Students who have missed 13 days (excused or unexcused) at the semester will be dropped from the program. Also, excessive tardies and check-outs will count as absences.
- If the student learner is absent from school, he/she must contact the work-based learning coordinator and is not allowed to go to work that day.
- Student learners must have passed all gateway tests to participate in the work-based learning program.
- Student learners cannot work at an establishment where alcohol is 25% of the gross sales. Each business has to report this percentage to the state department and will be able to provide documentation to the student learner on the exact figure.
- If the student learner is placed on homebound, he/she cannot participate in the work-based learning program per Coffee County School Board policy.
- If the student learner is placed in alternative school or long-term ISD, he/she cannot participate in the work-based learning program.
- If the student learner is placed in short-term ISD, he/she cannot have early dismissal for the days assigned. He/she must stay until 2:45. Three short-term ISD assignments will result in the student learner's dismissal from the program at the semester. If the student learner receives an ISD assignment during the first two weeks of school, the student learner will not be allowed to remain in the work-based learning program and his/her schedule will be changed.
- Except for agriculture cooperative education programs, a student learner must work in a licensed business.
- All student learner work requirements are based on a yearly average. The following is a breakdown of the grading procedure:

Grade Computation in related course AND cooperative education	
20 % - 9 weeks/semester exam	30 % – Cooperative education average
30 % - Cooperative education average	70 % - Classroom average
50 % - Classroom average	* if student learner is exempt from semester exam

Cooperative Education Average Breakdown:

1/3 Attendance:

- Each day is worth 5 points (student begins with a 100 and 5 points is subtracted for each absence – excused or unexcused).
- **Note** – This grade is compiled for the semester. Students do NOT start over with a 100 each nine weeks, only at the semester. Therefore, attendance is very important.

1/3 Paperwork:

- Student maintains a weekly calendar of hours worked
- Student supplies check stub proving hours worked

1/3 Evaluation:

- Employer completes an evaluation on student's progress for each grading period

WBL CO-OP Application

- Have you passed all Gateway tests? Yes / No
- Do you have a GPA of 2.5 or higher? Yes / No
- Are you at least 16 years old and going to be a senior? Yes / No
- Do you have a valid drivers license? Yes / No
- Do you have your own vehicle including insurance coverage? Yes / No
- Do you have medical insurance? Yes / No

If the answers to the above questions were **YES**, than the student probably qualifies for the Work-Based Learning Program.

Number of days absent during your junior year _____

For Co-op placement purposes:

Have you registered for any CTE classes? Yes / No
If so, which ones? _____

Are you currently employed? Yes / No

Employer name: _____

Type of business: _____

Student Name PRINTED

Student Signature

Date

Parent Signature

Date

WBL Instructor

Date