

# Warren County High School



2008-09

## Educational Plan

Warren County High School

**W**elcome to Warren County High School. We hope that your years with us will be educationally profitable for you.

A school year presents opportunity for various beginnings--new classes, new faces, and new friends.

We are proud of what we achieve at Warren County High school--in our classrooms and on our playing fields. Our program is what it is because of a staff of dedicated, aspiring men and women who have a common goal--the education of our young people.

This Educational Plan Information Booklet is a comprehensive listing of course offerings and other sources of information that may help you in planning your years with us at Warren County High School. It is to be noted that the courses, credits, and prerequisites in this booklet may vary due to class and teacher availability, as well as state/county guidelines.

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**Course descriptions are listed within the following departments:**

**Agriculture Education**

Advanced Principles of Agriculture (10-11)  
Agriculture Business Economics (12)  
Agricultural Sales & Service-**H** (11, 12)  
Agricultural Co-op (12)  
Agriscience (9-10)  
Greenhouse Management (10)  
Horticulture Technology (12)  
Leadership Development (10-11)  
Livestock Management-**H** (11-12)  
Nursery Production (11-12)  
Principles of Veterinary Science (12)  
Turfgrass Management (10-11)

**Business Technology Education**

Accounting I-**H** (10-12)  
Accounting II-**H** (11-12)  
Administrative Management (11-12)  
American Business/Legal Systems (11-12) sem  
Business Management (11-12)  
eBusiness Communications-**H** (10-11)  
Integrated Input Technologies-**H** (11-12)  
Interactive Multimedia Presentation (11-12)  
JAVA Programming-**H** (11-12)  
Keyboarding (9-10) sem  
Keyboarding/Document Layout & Design (9-10) sem  
Web Page Design-Site Designer-**H** (11-12)

**English**

**AP** English III  
**AP** English IV  
Applied Communications\English IV  
English I  
English II  
English II-**H**  
English III  
English IV

**ESOL Program for English Language Learners**

ESOL Program (9-12)

**Family and Consumer Sciences**

Adult Living (11-12) sem  
Child Development (10-12) sem  
Consumer Economics (11-12) sem  
Culinary Arts I (10-11)  
Culinary Arts II\III (11-12)

**Family and Consumer Sciences (continued)**

Early Childhood Careers I (Classroom Lab) (10-11)  
Early Childhood Careers II\III (Learn & Serve) (11-12)  
Family and Consumer Sciences (9-10)

**Fine Arts**

AP History of Art (11-12)  
Dance (10-12) sem  
General Music (9-12)  
Instrumental Music (9-12)  
Visual Art I (9-12)  
Visual Art III\IV (10-12)

**Health Science Education**

Anatomy and Physiology-**H** (11-12)  
Biomedical Applications (11-12)  
Clinical Internship (12)  
Diagnostic Medicine-**H** (10-12)  
Forensic Science (12)  
Health Science Education (9-10)  
Rehabilitative Therapies-**H** (10-11)

**Marketing Education**

Marketing & Management Principles I (11)  
Marketing & Management Principles II-**H** (12)  
Marketing Co-op (12)  
Retail Operations (12)

**Math**

Advanced Algebra and Trigonometry-**H** (11-12)  
Algebra I (9-12)  
Algebra II (9-12)  
AP Calculus AB (12)  
Geometry (10-12)  
Pre-Calculus w/ Trig-**H** (11-12)  
Technical Algebra (10-12)  
Technical Geometry (10-12)  
Technical Mathematics (9-12)

**Modern (Foreign) Language**

French I (9-11)  
French II (10-12)  
Spanish I (9-11)  
Spanish II (10-12)

**P.E., Health, Driver's Education**

Driver Training (10-12) sem  
JROTC I (9-12)  
JROTC II (10-12)  
JROTCIII (11-12)  
JROTC IV (12)  
Wellness\Health (9) sem  
Wellness\PE (9) sem  
PE I (Weight Training\Advanced Personal\Physical Fitness) (10-12) sem  
PE II (Weight Training\Conditioning\Mgt.) (10-12) sem

## **Science**

Agriscience (9)  
**AP** Biology (11-12)  
**AP** Chemistry (11-12)  
**AP** Physics B (11-12)  
Anatomy and Physiology-**H** (11-12)  
Biology I (10-12)  
Chemistry I-**H** (10-12)  
Ecology-**H** (11-12)  
Environmental Science (9-12)  
Life Science (9-12)  
Physical Science (9-12)  
Physical Science-**H** (9-12)

## **Social Studies**

**AP** Psychology (11-12)  
**AP** U S Government (12)  
**AP** U S History (11)  
Contemporary Issues (10-12) sem  
Economics (12) sem  
Psychology (11-12) sem  
Sociology (10-12) sem  
U S History (11)  
U S Government (12) sem  
World Geography (9-10)  
World History (9-10)

## **Special Needs Program for Certified Students**

Special Education Program (9-12)

## **Trade and Industrial Education**

Career Management Success (10)  
CAD I (Computer Aided Drafting I)-**H** (11)  
CAD II (Advanced Computer Aided Drafting II)-**H** (12)

**Trade and Industrial Education (continued)**

Construction Core (9-10)  
Carpentry I (10-11)  
Carpentry II (11-12)  
Electrical I (10-11)  
Electrical II (11-12)  
Transportation Core (9-10)  
Auto Services I (Brake Systems)-**H** (10-11)  
Auto Services II (Steering & Suspension)-**H** (11-12)  
Auto Services III (Electrical & Electronics) (12)  
Collision Repair I (Non Structural) (10-11)  
Collision Repair II (Painting and Refinishing) (11-12)  
Collision Repair III (Structural) (11-12)

**Other** Journalism (Annual) (10-12)  
Journalism (Newspaper) (10-12)

**Dual Enrollment**

Art (11-12) sem  
Economics (11-12) sem  
English IV\1010 (12) sem  
Eng CWrit\1020 (12) sem  
US History\2010 (11-12) sem  
US History\2020 (11-12) sem

**Special Notes****Alternative Classes**

## **AGRICULTURE EDUCATION**

**TITLE:** Advanced Principles of Agriculture

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Agriscience

**COURSE DESCRIPTION:** This course includes standards that challenge students to plan for one of the three career clusters in Agriculture (Horticulture, Natural Resources, or Animal Science Sub-Cluster). Understanding the skills necessary to be successful in an agriculture career is important for students as they enter the agricultural industry in the 21<sup>st</sup> century.

**TITLE:** Agricultural Business/Economics

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Agriculture Sales and Service

**COURSE DESCRIPTION:** Agricultural Business/Economics contains standards that address the economic principles necessary for a successful business. As technology improves the ability to communicate, philosophies on marketing and production must change in order for industries to remain competitive.

**TITLE:** Agriculture Sales and Service-**H**

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Leadership Development

**COURSE DESCRIPTION:** This course prepares students to enter a customer service related agriculture career. These standards assist students in developing needed skills for developing positive customer relations, meeting profitable sales goals and applying business ethics while giving students the opportunity to see how business is conducted.

**TITLE:** Agricultural Co-op

**CREDIT:** 1-4

**GRADE LEVEL:** 12

**PREREQUISITES:** Enrolled in any agriculture class related to student's employment

**COURSE DESCRIPTION:** Students will be placed in Agriculture and/or Agribusiness jobs. Juniors can co-op one period a day while seniors can co-op up to two periods daily. State requirements will be followed as guidelines.

**TITLE:** Agriscience

**CREDIT:** 1 (Life Science credit for technological path or university path)

**GRADE LEVEL:** 9, 10

**PREREQUISITES:** None

**COURSE DESCRIPTION:** Agriscience consists of standards to prepare all students for biology and subsequent sciences for university or technical paths. The content area covers ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life. This course helps students understand the important role science serves as the agricultural industry moves into the 21st century.

**TITLE:** Greenhouse Management

**CREDIT:** 1

**GRADE LEVEL:** 10

**PREREQUISITES:** none

**COURSE DESCRIPTION:** This course sets a foundation for progress in the horticulture sub-cluster area. As populations continue to expand, the importance of food production in a condensed, climate-controlled environment increases. Understanding the integrated principles needed for the successful management of a greenhouse will allow the agricultural industry to continue to produce the quality and quantity of food and fiber needed in the 21<sup>st</sup> century.

**TITLE:** Horticulture Technologies

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Nursery Production

**COURSE DESCRIPTION:** Horticulture Technologies includes standards that challenge students to plan for future food needs, using advanced technologies. These technologies are becoming increasingly important as populations grow and farm land is consumed by this urban growth. Understanding the benefits of these technologies and how to blend their use with environmental conservation is important as we enter the 21st century

**TITLE:** Leadership Development

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Agriscience

**COURSE DISCRIPTION:** This course analyzes attributes and capabilities of those in leadership positions, to assist students in the development of their interpersonal relationships and other related skills. Most jobs are lost or gained because of the leadership ability a person has. As we enter the 21st century and a global market place, these skills will become more important as an asset for career success.

**TITLE:** Livestock Management-H

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Advanced Principles of Agriculture

**COURSE DESCRIPTION:** This course will help prepare students for further course of study in animal science. The effective management of livestock requires an applicable knowledge of animal anatomy, nutrition, health genetics, facilities and the effects of livestock production on the environment.

**TITLE:** Nursery Production

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Greenhouse Management and Turfgrass Management

**COURSE DESCRIPTION:** This course includes standards that challenge students to plan for needs in the production of ornamental products. As the urban society continues to expand to other regions, nursery production is important to provide aesthetic landscaping for various cultures and desires.

**TITLE:** Principles of Veterinary Science

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Livestock Management

**COURSE DESCRIPTION:** Principles of 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. This course addresses standard principles of veterinarian medicine and includes new methods of treatment that will be used as we move into the 21<sup>st</sup> century.

**TITLE:** Turfgrass Management

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Completion of or enrolled in Greenhouse Management

**COURSE DESCRIPTION:** Turfgrass is the most widely used ornamental crop in this country and is a multi-billion dollar a year business. This course will cover the history of turfgrass in this country and management techniques utilized today in various turfgrass applications. Students will apply these techniques as they prepare for a career in turfgrass management.

## **BUSINESS TECHNOLOGY EDUCATION**

**TITLE:** Accounting I-H

**CREDIT:** 1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Technical Mathematics and enrolled in or have taken Algebra I

**COURSE DESCRIPTION:** Students will learn basic accounting concepts and apply them through the use of journals, ledgers, and financial statements. This accounting course follows a complete accounting cycle for a sole proprietorship and a partnership.

**TITLE:** Accounting II-H

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Accounting I

**COURSE DESCRIPTION:** This course is an advanced study of concepts, principals and techniques used in keeping the financial records of a sole proprietorship, partnership and corporation. Departmental, management, cost and not-for-profit accounting systems are explored.

**TITLE:** Administrative Management

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** eBusiness Communication

**COURSE DESCRIPTION:** This course provides advanced training, including hands-on experiences, for students pursuing a career in business technology. Skills developed in previous courses will be incorporated and enhanced through a multi-tasking environment using a variety of input technologies. Procedures and concepts are related to information processing systems, administrative/information management, problem solving, reasoning, team-building, time management, business standards, feasibility studies, cost/budgeting, professional leadership, ethical and legal issues, and mathematics and communications. Production and administrative skills are developed to meet industry's standards.

**TITLE:** American Business\Legal Systems  
**CREDIT:** 1/2 (Substitutes as a government credit)  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course examines law as an instrument of society. In addition, it explores business as a medium through which most of life's necessities are provided.

**TITLE:** Business Management  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course provides a clear understanding of the characteristics, the organization, and the operation of businesses. Students will develop a working vocabulary of common business terms, obtain an awareness of the many activities, problems, and decisions in successfully operating a business, and gain an appreciation of the importance of business and management.

**TITLE:** eBusiness Communications-H  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11  
**PREREQUISITES:** Document Layout and Design

**COURSE DESCRIPTION:** eBusiness Communication is the study of oral, written and electronic communications in a global society. Components of communication include the sender, the message, the receiver, the feedback and the channel. The purposes of communication are to build goodwill, persuade, obtain or share information and build self-esteem.

The course will address the use of the Internet developing concepts, particularly those related to Web browsers, navigators, search engines, on-line communication methods, home and Web site design concepts, transfer of data, downloading files, security procedures and Internet navigational tools. The student will choose and use appropriate tools needed for Internet applications. Emphasis will be placed on electronic research, business report writing, business correspondence, enhancement of oral presentations with electronic media and communications applying current technology.

**TITLE:** Integrated Input Technologies-**H**  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Interactive Multimedia Presentation

**COURSE DESCRIPTION:** The student will learn skills necessary in problem solving using current and emerging information technology as it relates to their professional careers. Planning and organization skills are emphasized; personal management and development are key components. Students learn to set goals and work at their own level. The course focuses on student choice, accountability and competency. Students work toward the attainment of high-level employable competencies in areas which may include (but are not limited to) computer systems, computer applications, communication systems, networking, programming, ethical issues, social and economic impact, human relations, and management.

**TITLE:** Interactive Multimedia Presentation  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Document Layout and Design and eBusiness Communications

**COURSE DISCRIPTION:** The student will apply keying, typography, layout and design skills in this course. The student will be proficient in using interactive multimedia tools to develop electronic presentations. Creative design, persuasive communications, and language arts skills are applied through research, evaluation, validation, written, and oral communication. Typography, layout and design guidelines are applied. Copyright laws and ethical practices are reinforced in creating and formatting various presentations that require imported data/graphics, digital, audio, and video clips. Team development will also be stressed as students work on multimedia projects(s). Laboratory facilities and experiences simulate those found in business and industry.

**TITLE:** JAVA Programming-**H**  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Keyboarding, Algebra I

**COURSE DESCRIPTION:** This course is designed to give the student an introduction to computer programming using the JAVA language. The student will utilize the commands, statements, and procedures of this language to develop computer programs.

**TITLE:** Keyboarding  
**CREDIT:** 1/2  
**GRADE LEVEL:** 9, 10  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** The primary objective of computer keyboarding is to provide instructional and practice materials that will enable students to develop keyboarding skills for personal and vocational use. Basic keyboarding skills involve efficient input of alphabetic and numeric data.

**TITLE:** Keyboarding/Document Layout & Design  
**CREDIT:** 1/2  
**GRADE LEVEL:** 9, 10,  
**PREREQUISITES:** Keyboarding (C or better)

**COURSE DESCRIPTION:** This course develops skills in operating word processing equipment with emphasis given to personal and business applications. Students will learn to operate word processing hardware and software. Students will also learn word processing terminology, as well as, the procedure for operating a computer printer.

**TITLE:** Web Page Design-Site Designer-H  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Keyboarding, completion of or enrolled in Algebra I or Technical Algebra

**COURSE DESCRIPTION:** This course will introduce students to the fundamental concepts of site design. Web site design includes the language, structure and basic concepts of page layout/design and the ethics related to the production of web pages. Students will also evaluate the process for creating and editing graphic images for the web.

## **ENGLISH**

**TITLE:** AP English III

**CREDIT:** 1

**GRADE LEVEL:** 11

**PREREQUISITES:** English II, PSAT (score of 50), two teacher recommendations

**COURSE DESCRIPTION:** This course studies a range of literature from across the globe and analyzes selections that span the ages. It should be reserved for the highly motivated eleventh grade student. The student will learn elements of writing styles, the impact of literary devices, formats for essay writing, and approaches to literary criticism. In addition, students will enhance their vocabulary skills and learn to work independently on research projects.

**TITLE:** AP English IV

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** AP English III, PSAT (score of 50), two teacher recommendations

**COURSE DESCRIPTION:** Advanced Placement English IV includes a comprehensive study of English literature from the Anglo-Saxon period to the present. It introduces students to world writers of significance as well. Upon completing the course, the student will be able to analyze elements of style and composition. Students will read extensively and write critically about their reading. The ultimate goal is for individuals to earn a score on the advanced placement exam that will give them college credit.

**TITLE:** Applied Communications\English IV

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** English III

**COURSE DESCRIPTION:** This course is the English of the Tech Prep curriculum. It begins with components of communication (sender-message-receiver-feedback) and advances through seventeen modules of ten lessons each until it reaches technical writing. Reading comprehension, written exercises, and role playing orient the student to the course as well because it teaches practical lessons about life through its themes. This is not a remedial course but a practical application of English to everyday existence. This course satisfies the requirements for both college bound and tech prep paths.

**TITLE:** English I  
**CREDIT:** 1  
**GRADE LEVEL:** 9  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course includes the study of literature, writing, and grammar. Literature study emphasizes the elements of fiction, literary devices, and genres, such as the short story, the novel, drama, and epic poetry. The course also includes a review of grammar and usage skills found on the English I state end-of-course exam, which is given to all ninth grade students.

**TITLE:** English II  
**CREDIT:** 1  
**GRADE LEVEL:** 10  
**PREREQUISITES:** English I

**COURSE DESCRIPTION:** English II prepares the student for English III, English IV, and all post-high school experiences--the workplace, vocational-technical training, or college. The course's goal is to enhance the student's language skills through writing practice, reading, speaking, and higher-order thinking exercises. Students will take the English II Gateway Test as mandated by the state.

**TITLE:** English II-H  
**CREDIT:** 1  
**GRADE LEVEL:** 10  
**PREREQUISITES:** English I and two of the following: a score of "5" on the 7th grade TCAP Writing Assessment, a score of "7" or above on the Language Composite portion of the 8th grade TCAP, an "A" average for the 9th grade first semester

**COURSE DESCRIPTION:** The English II Honors course offers the regular English II curriculum at an accelerated pace. In addition, its supplemental curriculum prepares the student for advanced placement English III and IV. The course enhances the student's language skills through writing practice, reading, and higher-order thinking exercises.

**TITLE:** English III  
**CREDIT:** 1  
**GRADE LEVEL:** 11  
**PREREQUISITES:** English II

**COURSE DESCRIPTION:** This course parallels the eleventh grader's study of American history. It begins with the literature of America's discovery and traces the development of American literature through the present day. Students will improve reading and writing skills, analyze the writing of others, chart plot development, read and comprehend independently, and learn "why things happened."

**TITLE:** English IV  
**CREDIT:** 1  
**GRADE LEVEL:** 12  
**PREREQUISITES:** English III

**COURSE DESCRIPTION:** English IV is a comprehensive study of the development of the English language from the Anglo-Saxon period to the present. The study of the maturation of different genres-poetry, the novel, the short story, and drama is also included. Moreover, students will learn to write competent essays that exhibit clarity and that adhere to the rules of standard English usage.

## **ESOL PROGRAM FOR ENGLISH LANGUAGE LEARNERS**

**TITLE:** ESOL (English to Speakers of Other Languages) Program

**CREDIT:** Varies

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Must have teacher recommendation

**COURSE DESCRIPTION:** Class placement is determined by standardized testing and teacher recommendation. The classes work on all aspects of English: speaking, reading, and writing. Classes range from the beginning level with “survival” English to advanced skills that prepare students for regular high school English classes.

## **FAMILY AND CONSUMER SCIENCES EDUCATION**

**TITLE:** Adult Living

**CREDIT:** 1/2

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course is designed to empower students to take action for the well-being of themselves and others as they effectively manage the roles and responsibilities created by family, career, and community interactions. Focusing on the young adult, content includes skills and knowledge to enable students to maintain an optimum living environment by making responsible young adult decisions. Students will learn to plan and set goals for a career, manage multiple roles, maintain respectful and caring relationships with improved communication skills, understand the responsibilities of parenting, cope with stress and crisis situations, provide for health and well being, and function as informed consumers.

**TITLE:** Child Development

**CREDIT:** 1/2

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This 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. Emphasis is on helping students create an environment for children that will promote optimum development.

**TITLE:** Consumer Economics

**CREDIT:** ½ (Substitutes as an economics credit)

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course is a specialized course designed to prepare students to understand the United States economic system and how it affects individuals as consumers, producers, and citizens. Students will integrate knowledge, skills, and practices required for management of resources in a technologically expanding global economy. Consumer practices and decision making, problem solving, critical thinking, goal setting, management of multiple roles, and using technology are integrated into course content.

**TITLE:** Culinary Arts I

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Family and Consumer Science

**COURSE DESCRIPTION:** This course prepares secondary school students for gainful employment and/or entry into postsecondary 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 and experiences, which simulate commercial food production and service operations, offer school-based learning opportunities.

**TITLE:** Culinary Arts II\III

**CREDIT:** 1-4

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Culinary Arts I

**COURSE DESCRIPTION:** This course prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content 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. Laboratory facilities and experiences, which simulate commercial food production and service operations, offer school-based learning and work-based learning opportunities.

**TITLE:** Early Childhood Careers I + Classroom Lab

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Family and Consumer Science

**COURSE DESCRIPTION:** This course prepares students for gainful employment and/or entry into post-secondary education. Content provides students a foundation in the concepts of child development theory and affords them the opportunity to integrate knowledge, skills, and practices required for careers in early childhood education and related services. Laboratory experiences offer school-based and/or work-based learning opportunities.

**TITLE:** Early Childhood Careers II\III (Learn & Serve)

**CREDIT:** 1-4

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Early Childhood Careers I

**COURSE DESCRIPTION:** This course prepares students for gainful employment and/or entry into post-secondary education. Content provides students the opportunity to apply child development theory, develop and implement learning activities for young children, and integrate knowledge, skills, and practices required for careers in early childhood education and related services. Laboratory experiences offer school-based and/or work-based learning opportunities.

**TITLE:** Family and Consumer Sciences

**CREDIT:** 1

**GRADE LEVEL:** 9, 10

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course is a comprehensive, foundation course designed to assist students in developing the core knowledge and skills needed to manage their lives. Emphasis is on leadership, human development, family and parenting education, consumer economics and resource management, housing and living environments, nutrition and foods, textiles and apparel, and career preparation. Critical skills in decision making, problem solving, critical thinking, technology, work and family management, and workplace readiness are reinforced through authentic experiences. The course allows students to select specific areas for future concentrated study.

## **FINE ARTS**

**TITLE:** AP History of Art

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** PSAT (score of 50), recommendations from an English and a history teacher

**COURSE DESCRIPTION:** This course makes students more "visually literate" and educates lay patrons of all the humanities. The course focuses on a multi-faceted content that is unique in its concern with the properties of visual works. It is also a branch of history where the primary sources are visual. Students use the tools of philosophy, theology, literature, and aesthetics for their translation and enjoyment. Writing is an integral part of this course. Students must use the tools mentioned and the art vocabulary they will learn to evaluate artistic styles and architecture. Students may opt to take the college board exam for this subject in May. A score of 3 or above may qualify for college credit.

**TITLE:** Dance

**CREDIT:** 1/2 - 2

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This class emphasizes regular dance exercise, cheer-dances exercise, cardiovascular fitness, flexibility and balance. Students participate in gymnastics and/or choreographed programs to improve muscle tone and posture.

**TITLE:** General Music

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course seeks to give students in grades 9-12 an understanding of the elements, history, and role of music in today's society. The course will encourage active participation in performing and creating music through a balanced comprehensive and sequential program of study. In addition, a correlation between music, the other arts, and academic disciplines will be included.

**TITLE:** Instrumental Music

**CREDIT:** 1-4

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** 1 year of music before enrolling in the first year of instrumental music

**COURSE DESCRIPTION:** The first semester will emphasize marching band. The second semester will emphasize concert band. The first year teaches the student to play an instrument.

**TITLE:** Visual Art I

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course deals with the basic concepts of art. The student will study the elements of art and the application of the elements to his/her own work. Self-development is a major factor in the course.

**TITLE:** Visual Art III/IV

**CREDIT:** 1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Visual Art I

**COURSE DISCRIPTION:** This course is designed for the student who is seriously interested in the practical experience of art. This is a studio class that is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. Students will be expected to work outside the classroom, as well as in it, and beyond scheduled periods. Students should be considered responsible enough to leave the art room or school if an assignment requires them to do so, and homework, such as maintaining a sketchbook or journal, is probably a necessary component of instruction. Critiques are important in this class as well, Group and individual critiques enable students to learn to analyze their own work and their peers' work. Ongoing critical analysis, through individual critiques, enables both the student and the teacher to assess the strengths and weaknesses in the work. Portfolios will have a structure which requires the student to show a fundamental competence and range of understanding in visual concerns (and methods). Students may develop one of three types of portfolios: 2-D Design, 3-D Design, or Drawing. No matter which type the student selects, the portfolio must demonstrate a depth of investigation and process of discovery and include three sections: Concentration, Breadth, and Quality. All art works must have been produced in art classes or on the student's own time and may cover a period of time longer than a single year. Students will be expected to bare the cost of paints and other materials not provided in the classroom. The goal of this class is to enable the student to produce a strong portfolio suitable for submission to college and for scholarships.

## **HEALTH SCIENCE EDUCATION**

**TITLE:** Anatomy and Physiology-**H**

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Algebra I, Algebra II, Biology, Chemistry (all 4 with minimum of “C” average). For Tech Prep students, prerequisites are Algebra I, Biology, and Diagnostic Medicine.

**COURSE DESCRIPTION:** This course studies human anatomy and physiological functions. Descriptive results of abnormal physiology will be evaluated. Students should demonstrate a workable knowledge of medical terminology.

**TITLE:** Biomedical Applications-**H**

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Completion of or enrolled in Anatomy and Physiology

**COURSE DESCRIPTION:** This course will include information and laboratory skills required by the biomedical industry. Subject matter will include career choices, skill development, and application of scientific concepts relative to becoming a biomedical research professional.

**TITLE:** Clinical Internship

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Diagnostic Medicine and Rehabilitative Therapies

The Clinical Internship includes a variety of knowledge and skills necessary to become a health care worker. This course is provided for each health science teacher to design experiences in a health care facility in order to meet the needs of the community. This course is designed to be completed in a hospital, nursing home, rehabilitation center, medical office or other health care facility.

**TITLE:** Diagnostic Medicine-H  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** Health Science Education

**COURSE DESCRIPTION:** This course establishes a picture of an individual's health at a given point. This could include, but is not limited to, cardiology, imaging, medical laboratory, radiology, and other forms of diagnostic medicine.

**TITLE:** Forensic Science  
**CREDIT:** 1  
**GRADE LEVEL:** 12  
**PREREQUISITES:** Anatomy and Physiology and Bio-Medical Applications (recommended)

**COURSE DISCRIPTION:** This course is an overview of how science is applied to solving crimes. Topics including history of forensic sciences, collecting of evidence, analyzing results and hands-on application of many laboratory techniques used in solving crimes and identifying people and future careers. Students will participate in a mock (staged) crime scene to apply knowledge and skills gained.

**TITLE:** Health Science Education  
**CREDIT:** 1  
**GRADE LEVEL:** 9, 10  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course will include basic health care information of services/products related to the health of people or animals. Subject matter will include career choices, skill development, and application of health concepts relative to becoming a health care professional.

**TITLE:** Rehabilitative Therapy-H  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11  
**PREREQUISITES:** Health Science Education

**COURSE DESCRIPTION:** Rehabilitative therapy explores career options and their related roles and responsibilities. This course discusses the legal and ethical issues related to patient care and health care delivery. Students learn how to incorporate professional behavior and medical terminology into patient assessment and treatment planning and implementation.

## **MARKETING EDUCATION**

**TITLE:** Marketing & Management Principles I

**CREDIT:** 1 (Students may earn 1-2 additional credits for cooperative job-site training)

**GRADE LEVEL:** 11

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course introduces students to the field of marketing. This program develops interpersonal skills, critical thinking skills and marketing skills paramount to the success of students in the business community. Emphasis is placed on the application of marketing concepts and foundations. Students develop skills in human relations, communications, work ethics, leadership and career development. The first semester deals with the study of economics, which is essential in understanding the concepts of Marketing. Marketing is a course substitution for Economics.

**TITLE:** Marketing & Management Principles II-H

**CREDIT:** 1 (Students may earn 1-2 additional credits for cooperative job-site training.)

**GRADE LEVEL:** 12

**PREREQUISITES:** Teacher permission and one of the following: Marketing and Management Principles I **or** completed Economics with B average

**COURSE DESCRIPTION:** This course explores the strategies of marketing through planning and implementing projects. The students will plan a business. They will become a simulated entrepreneur. The marketing course provides students with advanced training in marketing with emphasis on management and entrepreneurial skills. Students are prepared for positions requiring higher levels of responsibilities with the marketing businesses. In this course, students acquire mastery of skills across all marketing functions including purchasing, distribution, selling, financing, information management and apply advanced decision-making and leadership skills to business situations.

**TITLE:** Marketing Co-op

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Enrolled in Marketing II

**COURSE DESCRIPTION:** Co-op is a paid work experience that directly correlates with classroom work. Students may register through guidance.

**TITLE:** Retail Operations

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Teacher permission required

**COURSE DESCRIPTION:** This course explores selling and customer relations.

## MATH

**TITLE:** Advanced Algebra and Trigonometry-**H**

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Algebra II, Geometry

**COURSE DESCRIPTION:** This course involves mastery of relations, functions, exponents, logarithms, polynomial functions, trigonometry, matrices, probability, statistics, linear programming, and coordinate geometry.

**TITLE:** Algebra I

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Foundations II (Pre-Algebra)

**COURSE DESCRIPTION:** This course is for students who have a good background in pre-algebra. The study includes operations with rational numbers, equations, inequalities, graphing, polynomials, factoring, functions, radicals, and quadratics.

**TITLE:** Algebra II

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Algebra I (B average recommended)

**COURSE DESCRIPTION:** This course involves understanding the language, notation, and application of algebraic skills. Topics included are number systems, relations and functions, exponents, radicals, polynomials, probability, and statistics.

**TITLE:** AP Calculus AB

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Pre-Calculus

**COURSE DESCRIPTION:** This course includes the topics of limits, continuity, differentiability, explicit and implicit differentiation, applications of the derivative in graphing, optimization, rectilinear motion, vector-valued functions, parametric functions, polar functions, antiderivatives, integration, and area under curves, volume of three-dimensional objects, growth, and decay.

**TITLE:** Geometry  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** Algebra I

**COURSE DESCRIPTION:** This course enables students to understand the concepts of points, lines, planes, angles, perpendiculars, congruent triangles, parallels, polygons, circles, spheres, area, volume, right triangle trigonometry, and constructions using a protractor and compass.

**TITLE:** Pre-Calculus w/ Trig -H  
**CREDIT:** 1  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Algebra II

**COURSE DESCRIPTION:** This course includes one semester of trigonometry, and a second semester covering functions and graphs of polynomial and rational functions, exponential and logarithmic functions, matrices and determinants. Particular emphasis is placed on analyzing problems in three ways: from a numerical outlook, from an algebraic approach, and from a graphical perspective.

**TITLE:** Technical Algebra  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** Technical Mathematics

**COURSE DESCRIPTION:** This course includes all the Algebra I curriculum as it relates to specific vocations. It satisfies the Algebra I graduation requirements for high school students in the vocational path.

**TITLE:** Technical Geometry  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** Technical Algebra

**COURSE DESCRIPTION:** Technical Geometry incorporates the same core geometric concepts required in a standard geometry course but includes additional topics that focus on career and technical applications. These concepts will be taught using practical applications in a contextual style of teaching, including labs and projects. The structure of the course will include teaching groups of skills and concepts followed by their incorporation in a real world application and setting.

**TITLE:** Technical Mathematics

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course introduces high school students to Algebra I. Students develop and refine mathematics skills by focusing on arithmetic operations, problem-solving techniques, estimation, measurement skills, and data handling.

## **MODERN (FOREIGN) LANGUAGE**

**TITLE:** French I

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course prepares students to understand, speak, read and write elementary standard French in various French speaking cultures as well as their own culture. Students also learn about (the French language and) French cultures. Students will be prepared for French II after having successfully completed this course.

**TITLE:** French II

**CREDIT:** 1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** French I

**COURSE DESCRIPTION:** This course prepares students to expand upon their knowledge of and skills in French I to learn more vocabulary and application skills. A successful completion of the course, will prepare students for the intermediate study of the language and cultures in French III or a university equivalent course.

**TITLE:** Spanish I

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course will provide an introduction to listening, speaking, reading and writing skills in the Spanish language. Students learn the cultures of various Spanish-speaking countries. The study of the Spanish language will enhance the students' understanding of the English language.

**TITLE:** Spanish II

**CREDIT:** 1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Spanish I

**COURSE DESCRIPTION:** This course will offer students continued opportunities to practice and expand their listening, speaking, reading and writing skills in the Spanish language. Cultures of additional Hispanic countries will be studied.

## **P.E., HEALTH, DRIVER'S EDUCATION**

**TITLE:** Driver Training

**CREDIT:** 1/2

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Student must be 15 years of age

**COURSE DESCRIPTION:** This course teaches and develops safe driving skills. Driver's education consists of 30 hours of classroom instruction with videos and guest speakers and 6 hours of road practice and experience in real life situations.

**TITLE:** JROTC I and II

**CREDIT:** 1 Credit JROTC - 1st Yr. and 1 Credit Wellness - 2nd Yr.)

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course provides interested students with the opportunity to receive one credit in Lifetime Wellness and one credit in JROTC. Students will receive Lifetime Wellness, P.E., and Health while receiving instruction in leadership, citizenship, government, communication, history, first aid, and physical training.

**TITLE:** JROTC III

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** JROTC (1<sup>st</sup> and 2<sup>nd</sup> year)

**COURSE DESCRIPTION:** This course provides interested students with one year of instruction in leadership, citizenship, government, communication, history, and first aid. Special conditions, such as military drills, ceremonies, and physical training will be emphasized in this course.

**TITLE:** JROTC IV

**CREDIT:** 1 Credit in JROTC

**GRADE LEVEL:** 12

**PREREQUISITES:** JROTC (3<sup>rd</sup> year)

**COURSE DESCRIPTION:** This course provides advanced training in JROTC. Students will be trained in and will implement staff leadership skills. Emphasis is placed on leadership and citizenship instruction.

**TITLE:** Lifetime Wellness/Health

**CREDIT:** 1/2

**GRADE LEVEL:** 9 (required for graduation)

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course focuses on the principles of lifetime wellness by providing a curriculum in disease prevention, sexuality, family life, safety, first aid, and substance use and abuse.

**TITLE:** Lifetime Wellness/P E

**CREDIT:** 1/2

**GRADE LEVEL:** 9 (required for graduation)

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course meets the state guidelines by emphasizing personal fitness, related skills, and nutritional information. This course focuses on the principles of lifetime wellness by providing a curriculum in weight training, fitness assessment and activities.

**TITLE:** P E I (Weight Training\Advanced Personal\Physical Fitness)

**CREDIT:** 1/2-1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Lifetime Wellness

**COURSE DESCRIPTION:** This course provides students with advanced weight training and cardiovascular exercise.

**TITLE:** P E II (Weight Training\Conditioning\Mgt.)

**CREDIT:** 1/2-1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Lifetime Wellness

**COURSE DESCRIPTION:** This course consists of weight lifting, agility drills and cardiovascular exercise. This course uses the bigger, faster, stronger method of weight lifting and a textbook for recording all lifts and agility drills.

## SCIENCES

**TITLE:** Agriscience

**CREDIT:** 1 (Life Science credit for technological path or university path)

**GRADE LEVEL:** 9

**PREREQUISITES:** None

**COURSE DESCRIPTION:** Agriscience consists of standards to prepare all students for biology and subsequent sciences for university or technical paths. The content area covers ecology, biological processes, sexual and asexual reproduction and a study of the chemical and physical laws that govern life. This course helps students understand the important role science serves as the agricultural industry moves into the 21st century.

**TITLE:** AP Biology

**CREDIT:** 1 Life Science

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Chemistry, Biology I, suggested PSAT (score of 50), two teacher recommendations (one from a science teacher)

**COURSE DESCRIPTION:** This course is the equivalent of a college freshman biology class. Detailed study on the biochemistry level is done in the major areas of biology. In addition to earning high school credit, a student may earn college credit by passing a College Board test at the end of the year. Content areas include genetics, evolution, cells, organisms, and ecology.

**TITLE:** AP Chemistry

**CREDIT:** 1 Physical Science

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Chemistry I (B average), PSAT (score of 50), two teacher recommendations

**COURSE DESCRIPTION:** AP Chemistry is an in-depth study of chemistry, amplifying and extending concepts covered in the general chemistry class. The class will be taught on the same level as introductory college chemistry courses, and it is possible for students to earn college credit based on their performance on a national test administered in May by the College Board. Topics covered include kinetics, equilibrium, thermochemistry, electrochemistry, stoichiometry, and organic chemistry.

**TITLE:** AP Physics B

**CREDIT:** 1 Physical Science

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Algebra II, Geometry, Physical Science, PSAT (score of 50), two teacher recommendations

**COURSE DESCRIPTION:** This course is algebra and trigonometry-based college physics for which a student may receive college credit based on his/her performance on the advanced placement test. Topics studied include mechanics, heat, light, sound, electricity and magnetism. Problem-solving is strongly emphasized.

**TITLE:** Anatomy and Physiology-H

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Algebra I, Algebra II, Biology, Chemistry (all 4 with minimum of "C" average). For Tech Prep students, prerequisites are Algebra I **and** Biology.

**COURSE DESCRIPTION:** This course studies human anatomy and physiological functions. Descriptive results of abnormal physiology will be evaluated. Students should demonstrate a workable knowledge of medical terminology.

**TITLE:** Biology I

**CREDIT:** 1 Life Science

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course is a standards based examination of the interactions that exist between living things and their environment as students study living structures and functions. Topics studied and objectives covered include cells, photosynthesis and respiration, genetics and biotechnology, interactions (ecology), biological evolution, and diversity. Biology I prepares all students for taking the state Gateway Assessment Exam. Passing the state mandated Gateway Biology Exam is a graduation requirement to receive a high school diploma beginning with the 2001-2002 ninth grade class.

**TITLE:** Chemistry I-H

**CREDIT:** 1 Physical Science

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** Algebra II (C average or above), Physical Science

**COURSE DESCRIPTION:** This is an introductory chemistry course that prepares students for college chemistry. Topics studied include properties of matter and the relationships between different kinds of matter.

**TITLE:** Ecology-H

**CREDIT:** 1 Life Science

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Biology I

**COURSE DESCRIPTION:** This course addresses the aspects of how organisms interact with each other and their environment. It covers ecosystems, population dynamics, resources, and pollution.

**TITLE:** Environmental Science

**CREDIT:** 1 (Physical Science for technical path)

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course provides the student with knowledge of how humans interact with the environment, so he/she can analyze environmental issues and problems for himself/herself.

**TITLE:** Life Science

**CREDIT:** 1

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** None

**COURSE DISCRIPTION:** This course introduces students to living things and their relationship to the environment. The students explore the following: cells, ecological interactions, energy production, and use, reproduction and inheritance, classification and environmental diversity, and biological evolution. The Life Science standards provide a basic foundation for the biological sciences. The curriculum is aligned with the Gateway Biology I course. Hands-on laboratory investigations, technology, research, inquiry, individual, and group activities are used to meet the Life Science standards.

**TITLE:** Physical Science

**CREDIT:** 1 (Physical Science credit for technical path or university path)

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Successful completion of or enrolled in Algebra I recommended

**COURSE DESCRIPTION:** This course explores the relationship between matter and energy. It will provide students with a basic understanding of force and motion, structure and properties of matter, interactions of matter, and energy.

**TITLE:** Physical Science-H

**CREDIT:** 1 Physical Science

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Algebra I

**COURSE DESCRIPTION:** This course examines the nature of matter and energy and their relationships. It includes the study of physical and chemical concepts and mathematical applications of universal laws. It prepares the student for further study in chemistry and physics.

## **SOCIAL STUDIES**

**TITLE:** AP Psychology

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** PSAT (Score of 50), two teacher recommendations, 3.0 GPA

**COURSE DESCRIPTION:** This course is an intense study of the history of psychology and the important theories of behavior. It includes a study of biology, cognition, memory, learning development, motivation, personality, abnormal behavior and the connection each has to psychology.

**TITLE:** AP U S Government

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** U.S. History, a score of 50 or above on the verbal portion of the PSAT, two teacher recommendatins

**COURSE DESCRIPTION:** This course is an in-depth study of the structure and nature of the American system of governance. In addition to the state-mandated curriculum objectives, special emphasis is given to the U.S. Constitution, the Federal and State Court Systems, public opinion propaganda, and the constitution of the State of Tennessee. Most students in this class also decide to participate with the school's Mock Trial Team.

**TITLE:** AP U S History

**CREDIT:** 1

**GRADE LEVEL:** 11

**PREREQUISITES:** A score of 50 or above on the verbal portion of the PSAT, two teacher recommendations

**COURSE DESCRIPTION:** This course provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The course makes demands upon student's equivalent to those made by full-year introductory college courses. A goal of this course is to produce students who are more perceptive and more informed. Another goal is to prepare students for the Advanced Placement Examination in United States History.

**TITLE:** Contemporary Issues  
**CREDIT:** 1/2  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** In this course students study various dynamic issues facing today's society enabling them to discover their values and responsibilities. Students will utilize different learning methods to research, discuss, debate and formulate opinions on those contemporary issues.

**TITLE:** Economics  
**CREDIT:** 1/2  
**GRADE LEVEL:** 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course prepares students for effective decision-making and responsible citizenship. The class focuses upon the fundamental operation of the American free enterprise system. A common sense approach will provide students with a basis for grasping how individual actions shape the forces of their economy.

**TITLE:** Psychology  
**CREDIT:** 1/2  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** Psychology is an overview of the most common theories of behavior. This course covers developmental, cognitive and abnormal psychology, with emphasis on such figures as Freud, Pavlov, Watson, Skinner and Maslow.

**TITLE:** Sociology  
**CREDIT:** 1/2  
**GRADE LEVEL:** 10, 11, 12  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** Sociology is the study of people and their roles in society. In-depth study of culture, social institutions, social change, collective behaviors, and social problems make up the core of study.

**TITLE:** U S History

**CREDIT:** 1

**GRADE LEVEL:** 11

**PREREQUISITES:** None

**COURSE DESCRIPTION:** American history surveys a period beginning with pre-Columbian Indians and ending with the twentieth-century United States. In addition, students will study Colonial America, the National Period with emphasis on the Constitution, and the major historical themes of the nineteenth and twentieth centuries. The survey will focus on political, economic, social, and cultural developments, and students must master factual information. Each student should develop proficiency in social science skills. Each student should look at historical facts from a critical perspective in order to answer not only "what happened" but "why it happened."

**TITLE:** U S Government

**CREDIT:** 1/2

**GRADE LEVEL:** 12

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course examines the origins and principles of American government and its current system of federalism and separation of powers. It emphasizes the electoral process, the three branches of government, the three levels of government, and the use and abuse of civil rights.

**TITLE:** World Geography

**CREDIT:** 1

**GRADE LEVEL:** 9, 10

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course is a study of the earth as an individual organization with a definite structure, character, and purpose. The student will investigate the earth as a whole, students will also study the three great geographical elements that it comprises, and the life it supports. The many culture regions that exist in the world will be studied as they relate to the five themes of geography. Instructors will emphasize the use, understanding and application of various types of maps as important skills. Students will have a greater awareness and appreciation of their surroundings, the people, and the world that was created for all that exist on earth.

**TITLE:** World History

**CREDIT:** 1

**GRADE LEVEL:** 9, 10

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course examines the development of democratic ideals, nationalism, economic independence and humanism throughout Western Civilization. Students explore the Chinese, African and Central American civilizations. Instructors will emphasize map and geographical skills, research skills, and both written and verbal communications.

## **SPECIAL NEEDS PROGRAM FOR CERTIFIED STUDENTS**

**TITLE:** Special Education Program

**CREDIT:** Variable Credits

**GRADE LEVEL:** 9, 10, 11, 12

**PREREQUISITES:** Must be under an IEP

**COURSE DESCRIPTION:** The major function of Special Education Classes is to provide direct instruction to eligible students in a smaller group setting, following the students' Individual Education Plans as required by both federal and state laws. Special education teachers use multi-sensory techniques to meet learning styles of students. Modified or adjusted materials are used to meet the individual needs of each student.

## **TRADE AND INDUSTRIAL EDUCATION**

**TITLE:** Career Management Success

**CREDIT:** 1

**GRADE LEVEL:** 10

**PREREQUISITES:** None

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

**TITLE:** CAD I (Computer Aided Drafting I)-H

**CREDIT:** 1

**GRADE LEVEL:** 11

**PREREQUISITES:** Algebra I

**COURSE DESCRIPTION:** This course uses a CAD program to create engineering drawings including plan drawings, assembly drawings, welding and process drawings, cross sections, 3D representations, and bills of materials. The course consists primarily of individual drawing projects, with some group projects. Emphasis is on drawing projects of increasing complexity.

**TITLE:** CAD II (Advanced Computer Aided Drafting II)-H

**CREDIT:** 1

**GRADE LEVEL:** 12

**PREREQUISITES:** Computer Aided Drafting (CAD I) (minimum of a “B” average) and Algebra I (minimum of “B” average)

**COURSE DESCRIPTION:** In this course 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 drafting (CAD). Course content will enable students to make the transition into the use of CAD software by having them make increasingly sophisticated drawings. Student work in teams will culminate in a class project to create a complete set of construction and assembly drawings for a mechanical product.

**TITLE:** Construction Core  
**CREDIT:** 1  
**GRADE LEVEL:** 9, 10  
**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course introduces students to basic skills and knowledge applicable to all construction trades including carpentry. Topics covered include safety, construction drawings, site layout, hand and power tools, linear and angular measurements, and application of algebraic and geometric principles to construction problems.

**TITLE:** Carpentry I  
**CREDIT:** 1  
**GRADE LEVEL:** 10, 11  
**PREREQUISITES:** Construction Core

**COURSE DESCRIPTION:** This course introduces students to basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam structures, in both wood and metal. This course gives students an introduction to the skill and knowledge base typically required for apprentice carpenters.

**TITLE:** Carpentry II  
**CREDIT:** 1-2  
**GRADE LEVEL:** 11, 12  
**PREREQUISITES:** Carpentry I

**COURSE DESCRIPTION:** This is a course in which students will extend their skills and knowledge related to residential and commercial carpentry. Topics covered include stairs, installation and trim of windows and doors, installation and repair of gypsum wallboard, advanced site layout, exterior finish work, thermal and moisture protection, and an introduction to welding. This course gives students a substantial skill and knowledge foundation typically required for apprentice carpenters.

**TITLE:** Electrical I

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Construction Core

**COURSE DESCRIPTION:** This course, which is the first level of electrical, will provide basic skills and knowledge related to residential and commercial electrical systems. Course content includes leadership development, safe practices, Ohm's law, installing conduit, conductors, residential and commercial electrical systems and services according to National Electrical code and local codes. This course gives students an introduction to the skill and knowledge base typically required for apprentice electricians.

**TITLE:** Electrical II

**CREDIT:** 1-2

**PREREQUISITES:** Electrical I

**GRADE LEVEL:** 11, 12

**COURSE DESCRIPTION:** In this course students will learn and practice intermediate skills related to electrical systems, with emphasis on commercial systems. Topics covered include over-current protection; sizing conductors; lighting systems; three-phase motors; motor control circuits; sizing raceways, boxes, and fittings; and connecting distribution transformers, including a laboratory experience conducted in a shop environment that supports electrical assembly projects by students. This course gives students a substantial skill and knowledge foundation typically required for apprentice electricians.

**TITLE:** Transportation Core

**CREDIT:** 1

**GRADE LEVEL:** 9, 10

**PREREQUISITES:** None

**COURSE DESCRIPTION:** This course prepares students for entry into all subsequent transportation courses including Auto Services. Students explore career opportunities and requirements of a professional service technician. Content emphasized beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and basic technician skills. Upon completing this course students may enter automotive service technology, diesel equipment maintenance technology, leisure craft service technology, collision repair and refinish technology, or aviation maintenance.

**TITLE:** Auto Services I (Brake Systems)-**H**

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Transportation Core

**COURSE DESCRIPTION:** This is course offers training in the diagnosis and repair of hydraulic, mechanical, and electrical systems used in standard and anti-lock brake systems. Course content includes diagnosis, repair, and/or service technology of hydraulic and anti-lock brake systems to original equipment manufacture (OEM) specifications. Educational laboratory facilities, and school-based; learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Brake Systems test, for entry level placement in the workforce, and for entry into post-secondary education.

**TITLE:** Auto Services II (Steering & Suspension)-**H**

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Auto Services I

**COURSE DESCRIPTION:** 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/steering systems and four-wheel suspension alignment. Course content provides the student the opportunity to acquire marketable skills by training in facilities and experiences simulate automotive service industry operations through the use of training aids and modules and school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Suspension and Steering test.

**TITLE:** Auto Services III (Electrical/Electronics)

**CREDIT:** 2

**GRADE LEVEL:** 12

**PREREQUISITES:** Auto Service II

Automotive: Electronics is a course that 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 in the use of digital and analog voltmeters, ohmmeters, and amp-meters; as well as oscilloscopes, test-lights, load-testers and specialized electrical test equipment. Education experiences simulate automotive service industry operations through the use of training aids and modules and school-based learning opportunities. Course content prepares students for the Automotive Service Excellence (ASE) Electrical and Electronics.

**TITLE:** Collision Repair I (Non Structural)

**CREDIT:** 1

**GRADE LEVEL:** 10, 11

**PREREQUISITES:** Transportation Core

**COURSE DESCRIPTION:** 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. The course prepares students for entry level employment and advanced training in collision repair technology, and post secondary education.

**TITLE:** Collision Repair II (Painting and Refinishing)

**CREDIT:** 1-2

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** Collision Repair I

**COURSE DESCRIPTION:** This course prepares students to follow procedures for preparing vehicles for repainting and refinishing. Students will follow proper procedures for preparing vehicles for repainting and refinishing while demonstrating general painting and refinishing technology safety practices. The course also prepares students for entry level employment and advanced training in collision repair technology, and post secondary education.

**TITLE:** Collision Repair III (Structural)

**CREDIT:** 2

**GRADE LEVEL:** 12

**PREREQUISITES:** Collision Repair II

**COURSE DESCRIPTION:** Collision Repair: Structural is a course that prepares students to analyze 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 repairs to vehicle frames and glass. The course prepares students for entry level employment and advanced training in collision repair technology, and post secondary education. Students completing the Collision Repair: Structural are eligible to take the ASE written examination for Structural Analysis and Damage Repair.

## **OTHER**

**TITLE:** Journalism (Annual or Newspaper)

**CREDIT:** 1

**GRADE LEVEL:** 10, 11, 12

**PREREQUISITES:** B average in English, English teacher recommendation, interview with sponsor

**COURSE DESCRIPTION:** Students will understand and utilize oral, written, and visual communication.

## Dual Enrollment Courses

**TITLE:** Art (Sem)

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** ACT composite score of 19 or higher, Cumulative grade point average of 3.2 on a 4.0 scale

**COURSE DESCRIPTION:** See Motlow Catalog

**TITLE:** Economics (Sem)

**CREDIT:** 1

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** ACT composite score of 19 or higher, Cumulative grade point average of 3.2 on a 4.0 scale

**COURSE DESCRIPTION:** See Motlow Catalog

**TITLE:** English 1010\IV (Sem. 1)

English 1020\Creative Writing (Sem. 2)

**CREDIT:** 1 per Semester

**GRADE LEVEL:** 12

**PREREQUISITES:** ACT composite score of 19 or higher, ACT subscores of 19 or higher in English and Reading, Cumulative grade point average of 3.2 on a 4.0 scale

**COURSE DESCRIPTION:** See Motlow Catalog

**TITLE:** US History \2010 (Sem 1)

US History \2020 (Sem 2)

**CREDIT:** ½ credit per Semester

**GRADE LEVEL:** 11, 12

**PREREQUISITES:** ACT composite score of 19 or higher, Cumulative grade point average of 3.2 on a 4.0 scale

**COURSE DESCRIPTION:** See Motlow Catalog

## **SPECIAL NOTES**

**The Advanced Placement (AP) Program** is an instrument of cooperation between secondary schools and colleges/universities. Participating colleges/universities grant credit and appropriate placement, or one of these, to students who do well on the AP examination. AP examination grades are reported on a five-point scale, with the top grades ---3, 4, and 5 often (but not always) honored by colleges/universities. **Successful completion of the AP course does NOT guarantee that a student will perform well on the AP examination.**

An **articulation agreement** is an instrument of cooperation between secondary schools and post high school institutions such as community colleges and technical schools. An articulation agreement is similar to Advanced Placement credit because articulated courses taken at Warren County High School will not have to be taken at these post high school institutions if the student can test to a certain competency in the specific course(s). Warren County High School currently has articulation agreements with the below listed post high school institutions for selected programs of study.

### **Motlow State Community College**

Keyboarding/Document Layout & Design  
Marketing & Management I  
Marketing & Management II  
Computer Aided Drafting  
Advanced Computer Aided Drafting  
Early Childhood Education Careers I  
Early Childhood Education Careers II  
Child Development  
Integrated Input Technologies

### **Nashville Auto & Diesel**

Automotive Service Technology  
Collision Repair Technology

### **Nashville State Community College**

Computer Aided Drafting I  
Advanced Computer Aided Drafting  
Early Childhood Education Careers I, II, III  
Keyboarding  
Biomedical Applications  
Diagnostic Medicine  
Forensic Science  
Culinary Arts I, II, III  
Anatomy and Physiology

### **Tennessee Technology Center**

Computer Aided Drafting  
Keyboarding/Document Layout & Design  
Electrical I  
Electrical II  
Health Science Education  
eBusiness Communications  
Keyboarding  
Automotive Service Technology  
Collision Repair Technology

## **ALTERNATIVE CLASSES**

### **Required Course**

U. S. Government

Economics

Algebra I

Wellness

### **Substitute Course**

American Business Legal Systems

Consumer Economics  
Marketing & Management Principles I  
(2 semesters)

Technical Algebra

JROTC W