

Mount Pulaski High School Curriculum Guide

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Mount Pulaski High School Graduation Requirements	3
Mt. Pulaski High School	4
Grading System	4
Weighted Courses	4
Schedule Changes	5
Course Descriptions	7
ENGLISH	7
FOREIGN LANGUAGE	9
MATHEMATICS	10
SCIENCE	12
BUSINESS EDUCATION	14
RESOURCE MANAGEMENT	15
SOCIAL SCIENCES	15
FAMILY AND CONSUMER SCIENCE	17
INDUSTRIAL EDUCATION	19
AGRICULTURE	20
ART EDUCATION	22
MUSIC EDUCATION	23
DRIVER EDUCATION	24
PHYSICAL EDUCATION	24
VOCATIONAL EDUCATION	25
Summary of Course Offerings	29

Mount Pulaski High School Graduation Requirements

Content Area	Credits Required to Graduate	Additional Comments
English (I, II, III, IV)	4 credits	English I, II, III, IV and Advanced English are writing intensive.
Science	2 credits	
Mathematics	3 credits	The math credits must include Algebra I and a class with geometry content.
Social Science	2.5 credits	This includes 1 year of World Geography, 1 year of U.S. History, and 1 semester of Civics (during which students will take the Illinois Constitution test, U.S. Flag test, and U.S. Constitution test). All other Social Science classes may be taken as electives.
Computer Concepts	0.5 credit	
Health	0.5 credit	
Resource Management	0.5 credit	
Physical Education	3.5 credits	Unless exempt by state guidelines.
Driver's Education - Classroom (9 weeks)	0.25 credit	
Music, Art, Foreign Language, or Vocational	1 credit	Student may choose from content areas listed.
Electives	8.25 credits	

Credits required for graduation: 26 credits

Mt. Pulaski High School Grading System

Mt. Pulaski High School operates on a 4.0 grade point scale. Students earn points for each semester letter grade. Fourteen courses at MPHS are given extra weight in the grade point calculation.

Weighted Courses

Accounting II	Advanced Band	Advanced Biology	Advanced Chemistry
Anatomy and Physiology	Advanced English IV	Spanish III	Spanish IV
Pre-Calculus	Calculus	Physics	CEO
BSAA-Animals	BSAA-Plants		

All other courses are non-weighted. Band, chorus, art and physical education are awarded a letter grade and are included in the computation of the grade point average.

Students who have questions about weighted grades, grade point averages and class rank should see the guidance counselor.

Letter Grade	Point Value
A* (weighted)	5
A	4
B* (weighted)	4
B	3
C* (weighted)	3
C	2
D*	1
D	1
F	0

Grading Scale	
A	90% - 100%
B	80% - 89.9%
C	70% - 79.9%
D	60% - 69.9%
F	below 60%

Schedule Changes

Students must be enrolled for a minimum of 7 credits each semester, including physical education. This applies to all students except seniors enrolled in the work-study program (who are allowed to enroll in a minimum of 5 credits each semester).

Schedules and fee statements will be available on TeacherEase later in the summer. Fees may be paid by mail, online via TeacherEase, or in person prior to the first day of classes.

If a student or parent desires a change in courses requested, these changes can be made by calling the school and scheduling an appointment with the guidance counselor or principal prior to the first day of school. After classes begin, students have 4 days to add or drop classes without penalty. The following guidelines apply:

1. Parental consent is required to drop or add a course.
2. **Required courses CANNOT BE DROPPED** by student or parent request.
3. Any course dropped after the 4th day of a semester at the student's request will be recorded as "WF" (withdraw failing) for the semester and the "WF" will appear on the student's permanent record. This will affect a student's eligibility.
4. Dropping a full-year course after 1st semester is strongly discouraged. **Exceptions are made only with the consent of parent, teacher and principal, and only if the student's average in the class is below a "C."**

Examples of student/parent initiated schedule change requests that **will NOT BE HONORED** are:

1. request for a different teacher
2. request for same subject but different period
3. request for a different lunch period
4. request for a different study hall
5. request which causes over-enrollment in a class

Schedule changes may be initiated by the guidance counselor throughout the year when deemed necessary and approved by the principal. Teacher recommendation or the need for special education services are examples of circumstances that may require counselor-initiated schedule changes.

Students should choose courses that contribute to educational and career goals. It is important to give careful consideration to course selection. The courses selected should challenge the student and should contribute to long-range educational or vocational goals.

Please Note

Please be aware that the course offerings listed in this handbook are not guaranteed. All courses are subject to minimum enrollment requirements set by the department and the administration.

Curriculum decisions made after the printing of this handbook may affect course offerings and selections. You will be notified if changes are necessary in your schedule.

Please read the attached listing and course descriptions carefully before making your selections. Keep in mind a tentative plan for all 4 years of high school. The guidance counselor and the principal will be happy to help you if you have any questions about course selection.

Course Descriptions

ENGLISH

Four years of English are required of students for graduation. English I, II, III, IV and IV-College Prep (Advanced English IV) will be writing intensive. A significant portion of class time will focus on developing skills needed to become proficient and competent writers.

English I - Course Code 01001A000 - 1 credit (NCAA approved)

This course consists of short stories, drama, novels, composition, and language arts/grammar. It is a course that is designed to concentrate on various skills of communication: reading, writing, listening, and speaking. This course will also review and reinforce learning in the basic areas of grammar, composition, and literature. Students will be exposed to multiple essay forms. Grammar and composition study provide a review and development of new skills. Basic work in correct English usage includes parts of speech, parts of sentences, punctuation, spelling, vocabulary, etc. In this course, students will produce grammatically correct writing. Critical thinking, research, and presentation skills will also be emphasized.

The students' exposure to English literature will occur through multiple novels, as well as plays, short stories, poetry, and essays contained within the provided text. As part of the course work, the students will also be expected to perform research and complete a research essay. Non fiction reading will also be a component of this class. This is a full year, writing intensive course required of freshmen.

English II - Course Code 01002A000 - 1 credit (NCAA approved)

This course consists of fiction and non fiction reading and language arts/grammar. It is a course that is designed to concentrate on various skills of communication: reading, writing, listening, and speaking. This course will also review and reinforce learning in the basic areas of grammar, composition, and literature. Students will be exposed to multiple essay forms. Grammar and composition components will be practiced through writing and reading. In this course, students will produce grammatically correct writing. Critical thinking, research, and presentation skills will also be emphasized.

The students' exposure to English literature will occur through multiple novels, as well as plays, short stories, poetry, and essays contained within the provided text. As part of the course work, the students will also be expected to perform research and complete a research essay. This is a full year, writing intensive course required of sophomores.

English III - Course Code 01003A000 - 1 credit (NCAA approved)

This course consists of short stories, drama, novels, composition, and language arts/grammar. It is a course that emphasizes writing, reading, and vocabulary. This course will also review and reinforce learning in the basic areas of grammar, composition and literature. Students will be exposed to multiple essay forms as well as practicing critical writing with applying literary criticism to assigned novels. Grammar and composition study provide a review and development of new skills. In this course, students will produce grammatically correct writing. Critical thinking, research, and presentation skills will also be emphasized. Creative writing is reinforced through weekly journals.

The students' exposure to American literature will occur through multiple novels, as well as plays, short stories, poetry, and essays contained within the provided text. As part of the course work, students are expected to perform research and complete a controversial topic (argumentative) research essay. They will be expected to

produce written criticisms and complete projects based on specific literary works. This is a full-year, writing intensive course required of juniors

English IV - General English - Course Code 01004A000 - 1 credit (NCAA approved)

This course consists of fiction and non fiction reading and language arts/grammar. It is a course that emphasizes writing, reading, and vocabulary. In this course, students will produce grammatically correct writing. Research and presentation skills will be emphasized in order to prepare students for life and careers beyond high school.

The students' exposure to English literature will be through multiple novels, as well as plays and short stories. As part of the course work, the students are expected to perform research and complete a research essay. The students will be expected to produce written criticisms and complete projects based on specific literary works. This is a full-year class.

Advanced English IV - Course Code 01004A000 - 1 credit (NCAA approved)

This is a one-year elective course for college-bound seniors. This course is geared to above-average English students who possess good study habits and the ability to work on college preparation assignments. This course consists of multiple short stories, drama, novels, composition, and language arts/grammar.

It is a course that emphasizes writing, reading, and vocabulary. Work in college composition emphasizes writing skills, including the completion of an extensive and detailed research essay and multiple critical analysis essays. Students will also be expected to produce written criticisms and complete projects based on specific literary works. This course will also review and reinforce learning in the basic areas of grammar, composition, and literature. Grammar and composition study provide a review and development of new skills. You will produce grammatically correct writing.

Literature projects will be geared to the needs of college-bound seniors, using classic novels, short stories, plays, poetry, and essays contained within the provided text. These texts will be from England during the Anglo-Saxon times to the 20th century. A combination of essay and objective tests will be given, and class discussion is required. Critical thinking, research and presentation skills will be emphasized in order to prepare students for life beyond high school, including college and their future profession. **Prerequisite:** "B" or above in English III and recommendation of teacher. This is a full-year, writing intensive, weighted course.

FOREIGN LANGUAGE

Students enrolling in foreign language should be average or above average English students and should possess good study habits. It is strongly suggested that college-bound students take a minimum of two years of a foreign language to meet admission requirements at four-year colleges and universities. Students wishing to take Spanish must take the classes consecutively.

Spanish I - Course Code 06101A000 - 1 credit (NCAA approved)

Students who complete one year of Spanish will be able to perform at a novice level of communication. They will be able to express themselves in conversations on familiar topics in the present using a variety of words, phrases, simple sentences, and questions that have been highly practiced and memorized. They will also be able to interpret at a novice level, comprehending meaning through recognition of key words. This is a full-year elective course open to freshmen, sophomores, and juniors. Students will perform in the areas of listening, speaking, reading, writing, and culture. **Prerequisite:** To enroll in Spanish I as a freshman, a student must have maintained a “C” or better in language arts/reading in 8th grade. Current high school students who want to begin the study of Spanish the following year must obtain the consent of the instructor. This is a full-year course.

Spanish II - Course Code 06102A000 - 1 credit (NCAA approved)

Students who have completed one year of Spanish I are welcome to enroll in this course. Throughout this course, students will continue to build upon what they learned in Spanish I with the goal of talking about themselves, others, and events in the past. **Prerequisite:** A grade of “C” or better in Spanish I, or the student must receive the consent of the instructor. This is a full year elective course open to sophomores, juniors and seniors.

Spanish III - Course Code 06103A000 - 1 credit (NCAA approved)

Spanish III is a course designed to start moving students out of the novice performance level and into intermediate. After completing this course, students will have the ability to converse by creating their own questions and answers. A greater depth of risk-taking will develop, and students will be better equipped to engage in language that is unfamiliar to them. Control of Spanish will be sufficient to be understood by those accustomed to dealing with language learners. **Prerequisites:** Spanish I and II with a grade of “C” or better, or the student must have the consent of the instructor. This is a full-year, weighted course open to juniors and seniors.

Spanish IV - Course Code 06104A000 - 1 credit (NCAA approved)

The fourth year of Spanish study is designed with the goal of students reaching the intermediate-high level of performance. By the end of the fourth year, students will be able to use various strategies to maintain communication, ask questions for clarification, and self-correct and restate when they are not understood. Students will be able to express themselves in short social interactions by initiating, maintaining, and ending conversations. At the intermediate-high level, students will be able to comprehend information-rich texts and will be able to tell or retell stories and provide additional information. **Prerequisites:** Spanish I, II, and III with a grade of “C” or better, or the student must have the consent of the instructor. This is a full-year, weighted course open to seniors.

MATHEMATICS

Three credits in math are required for graduation according to state guidelines. This must include Algebra I and a class with geometry content. A student's math sequence begins with the course he or she is recommended for when entering as a freshman. When choosing math courses, the following chart may help guide students:

PLEASE NOTE: Four year colleges and universities require a minimum of Algebra I, Algebra II and Geometry for admission directly from high school.

LEVEL I (suggested for college-bound students who have mastered Algebra I in 8th grade)

Geometry
Algebra II
Pre-Calculus
Calculus

LEVEL II (suggested for college-bound students who have not yet mastered Algebra I)

Algebra I
Geometry
Algebra II
Pre-Calculus

LEVEL III (suggested for college or vocational/technical school)

Basic Algebra I
Basic Geometry
Basic Algebra II

Algebra I - Course Code 02054A000 - 1 credit (NCAA approved)

This course teaches a student the language of mathematics. Arithmetic skills are acquired that will enable the student to enter a technical career or progress to higher levels of mathematics. This course is recommended for all college-bound students. This is a full-year course open to all students.

Basic Algebra I - Course Codes 02069A000 - 1 credit

This course contains the same content as Algebra I, but is designed to move at a slower pace. **Students are only eligible for this class if they received a D or lower in mathematics, or by teacher recommendation.**

Geometry - Course Code 02072A000 - 1 credit (NCAA approved)

Geometry is the branch of mathematics that deals with figures formed by points, lines, and planes. The student will discover and prove many important facts about these figures. Geometry will develop the student's ability to think better and solve problems with expert logical reasoning. This course is recommended for all college-bound students. This is a full-year course open to freshmen, sophomores, juniors, and seniors who have successfully completed Algebra I.

Basic Geometry - Course Code 02079A000 - 1 credit

This course contains the same content as Geometry, but is designed to move at a slower pace. **Students are only eligible for this class if they have received a D or below in math or by teacher recommendation.** Successful completion of Algebra I or Basic Algebra I is required.

Algebra II - Course Code 02056A000 - 1 credit (NCAA approved)

Algebra II builds on the fundamentals learned in Algebra I and then expands into several different topics in mathematics. This course is recommended for all college bound students. This is a full-year elective course open to sophomores, juniors and seniors who have successfully completed Algebra I and Geometry.

Basic Algebra II - Course Code 02055A000 - 1 credit

This course contains the same content as Algebra II, but is designed to move at a slower pace. **Students are only eligible for this class if they have received a D or below in math or by teacher recommendation.** Successful completion of Algebra I/Basic Algebra I and Geometry/Basic Geometry are required.

Pre-Calculus - Course Code 02110A000 - 1 credit (NCAA approved)

Pre-Calculus is the culmination of the process of acquiring the fundamental skills of algebra, geometry, and trigonometry. Logarithmic equations, trig identities, infinite series, conic sections, matrices, similar polygons and abstract word problems are emphasized. This is a full-year, weighted course. **Prerequisites:** Algebra I and II, and Geometry.

Calculus - Course Code 02121A000 - 1 credit (NCAA approved)

Calculus is the branch of mathematics that deals with functions, continuity and limits. The students will learn the language and techniques of Calculus that will allow them to solve many interesting problems. The intent of this course is to supplement the college course in Calculus, not replace it. This is a full-year, weighted course open to seniors. Successful completion of Pre-Calculus is strongly recommended prior to enrolling in Calculus.

SCIENCE

All students must earn at least two credits in science to meet graduation requirements. An understanding of scientific principles is becoming increasingly essential in today's world. The following course sequences are recommended:

Recommended for college-bound students:

Biology
Chemistry
Adv. Biology and/or Anatomy and Physiology
Adv. Chemistry or BSAA
Physics

For a two-year sequence (a general background in science):

Life Science and Physical Science or
Physical Science and Biology or
Biology and BSAA or Advanced Biology

Life Science - Course Code 03999A000 - 1 credit (NCAA approved)

This course is an introduction of biological sciences. The course stresses the development of scientific skills by observation, quantification, and organization of data about animals and humans. This is a full-year course open to freshmen and sophomores.

Physical Science - Course Code 03051A000 - 1 credit (NCAA approved)

Physical Science is a strong approach to matter and energy utilizing a mathematical and laboratory approach. It is designed to give the basics for Chemistry and Physics. This is a full-year course open to freshmen and sophomores.

Biology - Course Code 03501A000 - 1 credit (NCAA approved)

Biology is the study of living organisms. The following topics will be covered: scientific method, graphing, basic chemistry, cell parts and functions, respiration/photosynthesis, genetics, and forensics. The course is taught through a combination of class readings, lecture, and projects, with an emphasis on the laboratory experience. Biology is open to all students; however, due to the mathematical skills required in Biology, concurrent enrollment in Algebra I or above is strongly suggested. This is a full-year course.

Advanced Biology - Course Code 0352A000 - 1 credit (NCAA approved)

Advanced Biology is a continuation of Biology and is geared toward preparing students for collegiate level science classes. The course is divided into four subject areas: Botany, Microbiology, Zoology, and Ecology. Each quarter will focus on one of the aforementioned subjects. The course is taught through a combination of class readings, lecture, projects, and dissections, with an emphasis on the laboratory experience. This is a challenging but rewarding course for any student who plans to take university level science classes. This is a full-year, weighted course open to sophomores, juniors and seniors.

Human Anatomy & Physiology - Course Code 03053A000 - 1 credit (NCAA approved)

This is a college preparatory class for individuals considering a career in the medical field or for individuals interested in expanding their knowledge of the human body. The course will consist of a review of general cellular characteristics and basic chemistry and will include the following body systems: Integumentary, skeletal, muscular, cardiovascular, respiratory, excretory, digestive, male/female reproductive, and basic embryology. Class format will be a combination of class lecture, dissection, and laboratory activities. Completion of or concurrent enrollment in Chemistry with a “C” or better is strongly recommended. This is a full-year weighted course open to juniors and seniors.

Chemistry - Course Code 03101A000 - 1 credit (NCAA approved)

Chemistry is an inorganic chemistry class dealing with instruction related to safety with chemicals, theory behind chemicals reacting, characteristics of elements and their relationships, atomic structure and the periodic table, importance of measuring and accuracy of measurements, chemical formulas/equations, relevance of chemistry to everyday life, nuclear chemistry, gas laws/equations and stoichiometry (moles). Laboratory exercises and other activities will be used to reinforce materials covered. It is **required** that the student has taken Algebra I and is enrolled in Geometry or above when enrolling in Chemistry. This is an elective course recommended for college-bound students. **Prerequisite:** Algebra I and concurrent enrollment in Geometry. Biology with a “C” or better or concurrent enrollment in Biology with permission of instructor. This is a full-year course.

Advanced Chemistry - Course Code 03102A000 - 1 credit (NCAA approved)

This course begins with a review of materials from the first year (measuring and problem solving, atomic structure and the periodic table, chemical formulas/equations and moles) and will include but not be limited to the following topics: solutions, acids and bases, equilibrium, oxidation/reduction, and organic chemistry/biochemistry. Laboratory exercises and other activities will be used to reinforce materials covered. Advanced Chemistry is open to juniors and seniors. Students not entering a college chemistry field will be encouraged to take the CLEP test for college credit. **Prerequisite:** A grade of “C” or above in Chemistry. This is a full-year, weighted course.

Physics - Course Code 03151A000 - 1 credit (NCAA approved)

Physics is concerned primarily with the study of matter and energy. It seeks to explain the behavior and interrelationships of matter and energy in the universe. During this class, labs will be incorporated to enhance student understanding and to show the relevancy of physics in the students’ lives. To enroll in Physics, it is required that a student have successfully passed Algebra II and Geometry (with at least a “C”). It is recommended that students be concurrently enrolled in Pre-Calculus or Calculus. This is a full-year, weighted course open to college bound seniors.

BSAA Plants - Course Code 18051A002 - 0.5 credit (NCAA approved)

BSAA (Biological Science Applications in Agriculture) is designed to give students an understanding of science by associating basic scientific principles and concepts to applications in agriculture. The first semester is BSAA plant science which covers conducting agricultural research and plant growth management, as well as genetics, hydroponics, and water quality. This course meets a half-credit requirement in science for graduation and has also been accepted by major universities and the NCAA as a lab science credit to meet entrance requirements. One year of Biology and Algebra I (or concurrent enrollment) are **prerequisites** for this course. This is a weighted, semester course open to juniors and seniors.

BSAA Animals - Course Code 18101A001 - 0.5 credit (NCAA approved)

BSAA (Biological Science Applications in Agriculture) This semester course focuses on animal science applications addressing such topics as growth, reproduction, behavior and digestion. Course work will include exploration of a fetal pig digestive, circulatory, and muscles systems, as well as a poultry unit where topics about feed trails and consumer quality grades will be discussed. The science of processing plant and animal products is also covered in this semester. This course meets science credit requirements for graduation and has also been accepted by major universities and the NCAA as a lab science credit to meet college entrance requirements. One year of Biology and Algebra I (or concurrent enrollment) are **prerequisites** for this course. This is a weighted, semester course open to juniors and seniors.

BUSINESS EDUCATION

This area offers a vast array of employment opportunities after high school and college. Students may actively seek employment directly out of high school or may go on to college to prepare for a career in the business world. These courses meet all aspects of the industry, including planning, management, finances, technical and production skills, the underlying principles of technology, labor and community issues, health, safety and environmental issues.

Keyboarding & Formatting - Course Code 12005A001 - 0.5 credit

This course is designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, memorandums, reports, and tables for personal, educational, and business uses. Emphasis will also be placed on formatting documents, improving proofreading skills, and increasing speed and accuracy of keystrokes. Additionally, this course will prepare students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. Students explore the legal and ethical dimensions of respecting creative work. Technology use is a vital employability skill for entry-level and upper-level management positions. This class is **required** for graduation and is typically taken as a sophomore.

Business and Marketing Concepts - Course Code 12055A001 - 0.5 credit

This course will introduce students to multiple aspects of business including the fundamentals for the start up of a business, particularly in an entrepreneurial environment. Economic principles such as a free market economy and the flow of goods and services from the producer to the consumer will be explored as well. Students will also learn the marketing concepts involved in product planning, pricing, promoting, and distributing want-satisfying goods and services. Other topics that students will become acquainted with include, but are not limited to, market segmentation, consumer motivation and behavior, as well as the principles of advertising and selling. This class is open to juniors and seniors.

Accounting I - Course Code 12104A001 - 1 credit

Accounting I is a skill-level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning activities that develop initial and basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial and product control records, including the paying and receiving of money. Instruction

includes information on keeping records to provide assistance to management for decision-making. Accounting computer applications will be integrated throughout the course where applicable. In addition to stressing fundamentals and terminology of accounting, instruction will provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. Practice sets with business papers may be used to emphasize actual business records management. This is a full-year, elective course open to sophomores, juniors and seniors.

Accounting II - Course Code 12104A002 - 1 credit

Accounting II provides the student with an opportunity to develop a deeper knowledge of accounting procedures and techniques utilized in solving business problems. On completion of this course, the accounting student should be able to keep a double entry set of books. Students will have experience with manual and automated data processing systems. This is a full-year, weighted course open to juniors and seniors.

Prerequisite: Accounting I.

RESOURCE MANAGEMENT

Resource Management - Course Code 22210A001 - 0.5 credit

This course is structured to develop more informed and effective consumers. The student will learn about credit, banking, insurance, buying food and clothing, and other practical areas designed to teach the student how to be a wise consumer. This course fulfills the state consumer education requirement for graduation. This class is **required** of seniors.

SOCIAL SCIENCES

Two and a half credits in social sciences are required for graduation. Students planning to attend a four-year college or university should plan to take at least three social science credits. One credit must be in U.S. History, one credit must be in World Geography, and half a credit must be in American Government. A student must also pass the U.S. and Illinois Constitution exams and a test on the U.S. Flag. These exams are taken during American Government. Students planning to attend college are encouraged to take a wide range of social sciences.

World Geography - Course Code 040001A000 - 1 credit (NCAA approved)

Focusing on locations around the world, World Geography studies the different cultures and histories of the seven continents. Main units include Europe, the Middle East & Islam, Africa, and Asia. The class employs power point presentations and interactive displays to bring far-away locations to the classroom. An end-of-the-year vacation project highlights the second semester. Course work consists of map study, guided reading assignments, video quizzes, unit tests, and semester projects. This full-year course is **required** of freshmen.

World History - Course Code 04051A000 - 1 credit (NCAA approved)

Julius Caesar, Alexander the Great, Christopher Columbus, Napoleon Bonaparte and others have shaped the course of Western Civilization. From prehistoric times to the present day, World History analyzes the events and people that have shaped the course of our history. Main units include Ancient Greece, The Roman Empire, Exploration, and the Industrial Revolution. Course work consists mainly of reading assignments, quizzes, and unit tests. It is recommended for college bound students, and is open to sophomores, juniors and seniors.

United States History - Course Code 04101A000 - 1 credit (NCAA approved)

U.S. History is a course designed to provide coverage of events in the United States that have greatly influenced its citizens and have created trends in political, social and economic ways. The course will cover American History from 1750-1945. Emphasis will be placed on the American Revolution, Civil War, the Gilded Age and World War II. Primary sources, such as Thomas Paine's *Common Sense*, will be used to obtain a deeper understanding of content. U.S. History is a full-year course **required** in the junior year.

Civics - Course Code 04161A000 - 0.5 credit (NCAA approved)

This course involves the study of our form of constitutional government, including the election process, political parties, the executive branch, the judicial branch, and the legislative branch of government. As a course and graduation requirement, students will be expected to pass the United States and Illinois constitution exams, and a test on the American Flag. This is a semester **required** course open only to seniors.

Economics - Course Code 04201A000 - 0.5 credit (NCAA approved)

This course will enable the student to understand and appreciate the American free enterprise system. Included will be discussions of supply and demand, opportunity costs, fiscal policies, monetary policies, and investments, from the viewpoint of both the consumer and the producer. **It is strongly recommended for college-bound students.** This is a semester course, open to juniors and seniors.

Current Issues - Course Code 04106A000 - 0.5 credit (NCAA approved)

The media shapes the events that take place in our world. Current Issues studies the headlines making news around us by employing class discussion, media video clips, and newspaper and internet articles. National and world events are analyzed through the coverage of major national news outlets including: ABC News, CNN, Fox News, and Reuters. Local stories appearing in newspapers and television newscasts are also broken down. Students concerned with the world around us are encouraged to follow the news in Current Issues. This is a semester course open to sophomores, juniors and seniors. This course may be taken twice for a total of one credit.

Contemporary America - Course Code 04103A000 - 0.5 credit (NCAA approved)

What do you know about the “hippies”? The Cold War? The Berlin Wall? JFK’s assassination? The Civil Rights movement? The Vietnam War? Espionage? Watergate and Nixon’s resignation? Reaganomics? Impeachments? Desert Storm and the Iraq (undeclared) War? President Bush 41 and 43? Contemporary America is designed to provide an overview of events in the United States over the last sixty years. This semester course is open to sophomores, juniors and seniors.

Legal Systems - Course Code 04165A000 - 1 credit

This course introduces students to core concepts in the American legal system. Coverage includes structure of government, sources of American law, judicial and court processes, the lawyer’s role, legal reasoning and analysis. Students also analyze landmark Supreme Court decisions throughout American history. Some of these landmark cases include: search and seizure, civil rights, terrorism and the death penalty. Student participation via class discussion and questioning is strongly encouraged. This class is open to juniors and seniors only.

FAMILY AND CONSUMER SCIENCE

Courses in Family and Consumer Science are designed to prepare both male and female students for adult and family life, careers, and community involvement. These courses focus on all aspects of home and industry and include instruction on planning, management, finances, technology, health, safety, environmental issues, and leadership. Family, Career, and Community Leaders of America (FCCLA) is the student organization associated with Family and Consumer Science and is an integral part of the classroom curriculum. Membership in FCCLA requires that a student have taken or currently be enrolled in a Family and Consumer Science class. Members are given opportunities to further their learning outside the classroom through conferences, community activities, and competitive events that focus on FACS related occupations.

Introduction to Family & Consumer Science - Course Code 22201A001 - 1 credit

This course (FACS) introduces students to the field of family and consumer science and is designed to familiarize students with all aspects of the classes offered. Students in these classes are given the skills necessary to begin to build themselves into healthy, self-confident, and productive members of their family and community. This class focuses on all aspects of the Family and Consumer Science curriculum and introduces students to the concepts of healthy relationships, decision making, resource management, textiles and construction, interior design, human development, and nutrition and food preparation. This is a full-year course open to freshmen and sophomores.

Child Development/Parenting - Course Code 22204A000 - 0.5 credit

This course focuses on the development of a child from conception into adolescence with an emphasis on the child's physical, emotional, and intellectual development at each stage as well as the rewards and challenges that raising a child places on parents. Topics of discussion include reproduction, genetics, birth defects, labor and delivery, prenatal development, childhood diseases, continued development, teen parenting, working parents, divorce, parenting styles, and discipline. All students are given an infant simulator to take home for a weekend so that they are able to relate in some small way to the responsibility level needed to be a parent. This is a semester elective course for sophomores, juniors, and seniors.

Adult Living - Course Code 22207A001 - 0.5 credit

This course provides an opportunity to learn the knowledge, skills, and attitudes that are important in successful interpersonal relationships. Adult Living is designed to help students learn to focus on their families and prepare for achieving personal goals that are related to their relationships throughout life. This class helps teenagers prepare for life independent from their home and parents. Topics discussed include personality evaluation, friendships, dating relationships, marriage, and family life. This semester elective course is open to sophomores, juniors, and seniors.

Textiles and Design I - 19201A001 - 0.5 credit

This class combines principles in both textile construction and interior design by focusing on applying design and construction principles to the selection, design, and construction of apparel and home furnishings and fashions. This course includes several projects in clothing construction and focuses on use of the color wheel and operation of sewing and embroidery machines. **Students who choose to enroll in this course will be responsible for the purchase of fabric and/or sewing kits in order to complete projects for the class. Some materials will be provided by the school, but others will be the responsibility of the student.** Competitive projects are also available through FCCLA. This semester course is open to sophomores, juniors, and seniors.

Textiles and Design II - 19201A001 - 0.5 credit

This course is a second installment of Textiles and Design that focuses more in-depth into textile construction and interior design. This class challenges students with more difficult clothing construction projects such as detailed sewing and quilting techniques and more complex interior design planning projects including color boards, floor plans, and scale drawings. **Students who choose to enroll in this course will be responsible for the purchase of fabric and/or sewing kits in order to complete projects for the class. Some materials will be provided by the school, but others will be the responsibility of the student. Prerequisite:** Textiles and Design I. This semester course is open to sophomores, juniors, and seniors.

Nutrition and Culinary Arts I - Course Code 16054A001-1 - 0.5 credit

This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of basic nutrition and food preparation principles for people of all ages. Classroom content focuses on safety, sanitation, and preparation as well as how to meet basic nutritional needs through the use of a wide variety of healthy nutritional practices. The course employs both classroom and laboratory experiences in order to allow students opportunities for hands-on experiences. This semester, elective course is open to sophomores, juniors, and seniors.

Nutrition and Culinary Arts II - Course Code 16054A001-2 - 0.5 credit

This course is a second installment of Nutrition and Culinary Arts and focuses more on the application of selection and preparation techniques as well as meal planning. Students will be expected to employ the skills learned from Nutrition and Culinary Arts I to complete laboratory experiences as they would be expected to in the hospitality industry. Areas of focus are in selection, preparation, and conservation of food; dietary needs and trends, safety and sanitation; and careers in the food industry. Students must have Nutrition and Culinary Arts I in order to enroll. This semester, elective course is open to sophomores, juniors, and seniors.

Family & Consumer Sciences Communications - Course Code 22249A001 - 0.5 credit

This course provides the opportunity for students to investigate and analyze current family and consumer sciences issues and determine how they affect people on all sides of the issue. Students will participate in projects and activities that will reinforce goal-setting, character development, parliamentary procedure, and other leadership traits to become successful in life and the workplace. The students will develop and enhance their written and verbal communication skills through presentations of their views and opinions. Students will demonstrate their ability to arrange and present information through a variety of experiences, including but not limited to written, debate, testimonial, and interviews. Participation in Family, Career, and Community Leaders of America (FCCLA) student organization programs and activities are an integral course component for leadership development, career exploration, and reinforcement of academic concepts. Community service projects and opportunities to practice communication and leadership skills will be an integral part of this course.

INDUSTRIAL EDUCATION

Courses offered in Industrial Education are intended to meet the vocational needs of students. Students continuing in the industrial education area should be planning for a vocational career beyond high school, a career in industrial technology or safety, or a career in the teaching of industrial education. These courses meet all aspects of the industry, including planning, management, finances, technical and production skills, the underlying principles of technology, labor and community issues, health, safety and environmental issues.

Industrial Occupations Orientation - Course Code 13052A001 - 1 credit

This is an introductory Industrial Arts course. The four main areas of Technology Education - Production, Transportation, Communication and Energy Utilization Systems are explored. Resources, technical processes, industrial applications, technological impact and occupations of these areas are discussed. Students have limited shop time as they are introduced to basic shop tools and shop activities (plastics, woods, shop safety and related matters). Freshmen and sophomores may enroll in this full-year, entry-level course.

Woodworking I - Course Code 17007A001 - 0.5 credit

This is a course with emphasis on hand and power tools. Students are instructed in the use of our shop power tools. Ample time is allowed for project building or repair of existing items. All projects must be approved by the class instructor and/or principal. Students are expected to purchase materials for projects in this class. This semester elective course is open to sophomores, juniors and seniors. There is no prerequisite. Limited enrollment.

Woodworking II - Course Code 17007A002 - 0.5 credit

This is an advanced class of Woodworking. Students have more time in the shop allowing for the construction of larger, more complex projects. Any projects must be approved by the class instructor and/or principal. Students are expected to purchase materials for projects in this class. One semester elective course open to sophomores, juniors and seniors. Limited enrollment. **Prerequisites:** Industrial Occupations Orientation or Woodworking I, with a grade of "B", or consent of the instructor.

Woodworking III - Course Code 17007A002 - 0.5 credit

Students may be invited to register for this course if they have demonstrated exceptional skill and work ethic in Woods I and II. Students will work on advanced woodworking skills and are expected to purchase materials for their instructor-approved projects. This course is open to juniors and seniors with approval of instructor.

Building Construction - Course Code 17002A001 - 1 credit

Building Construction is a course designed to both introduce and emphasize the overall construction trades and industries including the areas of foundation, framing, roofing, wall and ceiling construction, finish internal framing, setting of doors, windows, and fixtures, as well as other related industries and with the construction trades. Emphasis will also pertain to the restoration, remodeling, and maintenance of structures such as those already existing as well as those that will be started, such as utility sheds and garage solutions. The student will be familiar with terminology such as building agreements, general construction concerns, designing, print house plan set reading, construction, and other related terminologies and procedures common to the building industry. This full-year course is open to juniors and seniors.

Drafting I - Course Code 21102A001 - 0.5 credit

Drafting is a course which provides a basic knowledge of board drafting and introduces skills used in the drafting occupations. Instruction is related to the tools, materials, techniques, equipment and processes utilized in the production and reproduction of mechanical and architectural drawings. The course provides the student with orthographic projection, isometrics, dimensioning and lettering/drawing activities. Students will be introduced to Computer Aided Drawing (CAD). This semester elective course is open to sophomores, juniors and seniors. **Prerequisite:** Industrial Occupations Orientation or permission of instructor.

Drafting II - Course Code 21102A001 - 0.5 credit

Drafting II is a continuation of Drafting I. Emphasis is placed on the use of the computer and related components in the field of drafting. It will emphasize wire-frame modeling and X, Y and Z drawing. Various drawing programs will also be introduced. This class will meet in the computer lab. **Prerequisite:** Drafting I. This semester course is open to sophomores, juniors and seniors.

Metals and Welding - Course Code 138401A001 - 0.5 credit

This course provides learning experiences designed to allow students to gain knowledge and skills in metal welding and flame cutting. Instruction will also emphasize safety principles and practices, properties of metals, electrical principles, and basic metal fabrication. Arc welding and Oxy-acetylene principles will be the primary focus with some MIG welding and brazing. This semester course is open to juniors and seniors.

AGRICULTURE

These courses should be pursued by students who are interested in agriculture as a profession, and/or students who are interested in gaining leadership skills. This may be in the form of farming, agri-business, sales, services, horticulture, teaching agriculture or advanced studies in a college of agriculture. These courses meet all aspects of the industry, including planning, management, finances, technical and production skills, the underlying principles of technology, labor and community issues, health, safety and environmental issues. The National FFA Organization is an integral part of each course in this curriculum and enrollees are expected to be members for full participation.

Introduction to Agriculture - Course Code 18001A001 - 1 credit

Intro to Agriculture is designed to give first-year Ag students a basic understanding of the agriculture industry and the FFA organization. It includes careers and statistics in agriculture, introduction to the FFA, its principles and structure, developing a Supervised Agricultural Experience Program (SAEP), basic chick embryology, public speaking, livestock breeds and characteristics, animal science terminology, basic Ag mechanics and Ag carpentry. Students will complete an Ag carpentry project independently. They will have the opportunity to develop leadership skills and be involved in the FFA organization. FFA membership is encouraged. This full-year course is open to all students.

Soil, Crop and Livestock Production - Course Code 18051A000/18101A000 - 1 credit

This course is designed primarily for the 2nd year agriculture student but may also be taken by Juniors and Seniors. Major units of instruction include crop scouting, soils and fertilizers, land management and surveying, feeding and care of livestock, and meat animal evaluation. The development of leadership skills will also be a component of this class. Students will be encouraged but not required to participate in the FFA organization. Introduction to Agriculture is recommended (but not required) for enrollment. This is a full-year course.

Agriculture Business and Management - Course Code 18201A001 - 1 credit

This is a course designed to give students an understanding of basic principles of farm management and agribusiness skills. Such areas as record-keeping, marketing agricultural products, sales, setting up and managing an agricultural business, and using the Futures Markets will be discussed. Employability skills will be covered and students will complete a resume and cover letter. Students will also gain skill in using computers to analyze farm records. FFA membership is encouraged in this course and students may continue their SAEP record books. This course is especially important for students seeking an agriculture or business degree. This full-year course is open to juniors and seniors.

BSAA Plants - Course Code 18051A002 - 0.5 credit

BSAA (Biological Science Applications in Agriculture) is designed to give students an understanding of science by associating basic scientific principles and concepts to applications in agriculture. The first semester is BSAA plant science which covers conducting agricultural research and plant growth management, as well as genetics, hydroponics, and water quality. This course meets a half-credit requirement in science for graduation and has also been accepted by major universities and the NCAA as a lab science credit to meet entrance requirements. **Prerequisites:** One year of Biology and Algebra I (or concurrent enrollment). This weighted, semester course is open to juniors and seniors.

BSAA Animals - Course Code 18101A001 - 0.5 credit

BSAA (Biological Science Applications in Agriculture) This semester course focuses on animal science applications addressing such topics as growth, reproduction, behavior and digestion. Course work will include exploration of a fetal pig digestive, circulatory, and muscles systems, as well as a poultry unit where topics about feed trails and consumer quality grades will be discussed. The science of processing plant and animal products is also covered in this semester. This course meets science credit requirements for graduation and has also been accepted by major universities and the NCAA as a lab science credit to meet college entrance requirements. **Prerequisites:** One year of Biology and Algebra I (or concurrent enrollment). This weighted, semester course is open to juniors and seniors.

Agriculture Machinery Service - Course Code 18449A001 - 1 credit

This class is a comprehensive machinery service course concentrating on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting equipment, organizing and managing machinery dealerships, human relations, and sales techniques. Careers such as agricultural equipment salesperson, mechanic, parts manager, sales manager, service technician, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA and Supervised Agricultural Experience (SAE) projects are integral course components for leadership development, career exploration, and reinforcement of academic concepts. FFA membership is required. This full-year course is open to juniors and seniors.

Horticulture - Course Code 18052A001 - 0.5 credit

Horticulture is a course designed to give students some practical experience in the field of horticulture. Careers in horticulture will be discussed as well as skills in plant propagation, landscaping, horticulture and the environment, growing media, plant growth regulators, pest management, basic floral design, seasonal floral pieces, vegetable production and fruit production. This semester course is open to juniors and seniors.

Landscape Design and Management - Course Code 18054A001 - 0.5 credit

This course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of study include: identifying landscape plants, designing landscape plans, hardscape construction techniques and installing landscape plants. Also included are nursery production, turf grass production, small engine repair, and maintenance of existing landscapes. Landscape business units will cover calculating prices for work, managing a horticulture business, advertising and sales. This semester course is open to sophomores, juniors, and seniors.

ART EDUCATION

The visual art department provides opportunities for students to create a wide variety of work while utilizing various materials and resources. Students will be introduced to relevant contemporary and historical artists and art styles and will learn to compare, analyze, evaluate and discuss their own work as well as the work of others. Students will develop the ability to adapt and apply learned skills to other areas of their lives and will recognize the important influence of the arts. During each course, continuing education and career opportunities involving the arts will be addressed.

Art I - Course Code 05154A000 - 1 credit

Art I emphasizes the development of abilities to recognize visual arts content, concepts, and skills to create, discuss, and understand original works of art. Art I is designed for students with all artistic ability levels and skills. Students will experiment with materials and techniques, learn how to organize the elements of art and manipulate the principles of art in both two and three-dimensional forms. Activities are not limited to, but may include: drawing, painting, ceramics, printmaking, and computer graphics. This is a full year course open to all students.

Art II - Course Code 05154A000 - 1 credit

The objectives for Art II are to extend and refine abilities to investigate and respond to the visual arts. The objectives emphasize the importance of content, concepts, and skills involved in the creation of original works of art. A wider variety of materials and techniques are introduced, with students learning how to critique artwork produced by themselves and their peers. **Prerequisite:** Successful completion of Art I. This full-year course is open to all students meeting the prerequisite.

Art III - Course Code 05154A000 - 1 credit

Art III continues the emphasis on the development of abilities to organize and analyze visual arts content, concepts, and skills in creating works of art. At this level students are awarded the opportunity to develop a personal direction in the production of their works of art or to further academic study in the visual arts. The student-artist will explore his/her selected medium creating personally meaningful art. Selected works of art and other products will be included in a portfolio and carried forward to the next level of study. This full-year course is open to all students who have **successfully completed Art I and Art II.**

Art IV - Course Code 05197A000 - 1 credit

This course is designed for the serious study of art. It is strongly recommended for all students intending to attend art school or pursue an art-related major or minor in college (fine arts, illustration, communications, interior design, architecture, computer graphics, fashion design, etc.) The first semester of this course is dedicated to the preparation, development and presentation of each student's individual portfolio as defined by the College Board and the various art schools, colleges and universities. The second semester is designed to

encourage the student to initiate, develop and carry out an in-depth independent project focusing on a particular area of concentration. This is a full-year course. Completion of all art classes and instructor approval are **required**.

MUSIC EDUCATION

Band - Course Code 05101A000 - 1 credit

Band students have the opportunity to participate in marching band in the fall, and pep band throughout the athletic season. They present two formal concerts during the year, and play at community functions. Students also have the opportunity to compete in solo and ensemble competitions. Band meets every day. Open to all students who have participated in junior high band. Other students must have permission of instructor to enroll. One-half credit is offered each semester.

High School Band 4 - Course Code 05101A000 - 1 credit

This one-year elective course is designed for senior band members that would like to go above and beyond the normal band requirements, possibly college bound music students. Those enrolled in this class should have the desire to improve their skills on their instrument as well as continue their learning of music. Students will be expected to prepare a college audition. Students will be required to participate in Illinois Music Education Association (IMEA) Auditions as well as Solo and Ensemble Contest. In addition to the requirements of band class, students will explore the history of their instrument, artists who play their instrument, as well as music theory. Students should expect more independent practice and writing time included in this course. **Prerequisite:** Band participant Freshman-Junior year with a grade of "B" or better and the consent of the instructor. This is a full-year, weighted course.

Course Objectives

The students will:

- Participate in HS Band
- Audition for IMEA Music Festival (First Quarter)*
- Participate in IMEA Music Festival if selected, attend if not selected (Early November)*
- Explore Music Theory (throughout the year)*
- Log Practice Times (requirements must be met)*
- Prepare a paper discovering the history of their instrument (Second Quarter)*
- Participate in listening requirements (throughout the year)*
- Prepare a paper exploring an artist that plays their instrument (Third Quarter)*
- Perform in solo and ensemble contest (Fourth Quarter)*
- Memorize all Major and Minor Scales (60 total scales to memorize)*
- Warm up and prepare band for rehearsals (throughout the year)
- Help select repertoire for High School Band (Fourth Quarter)*
- Learn a secondary instrument (throughout the year)*

*outside of class activities

Music Appreciation - Course Code 05118A000 - 0.5 credit

This course focuses on students' appreciation of music. It is designed to help students explore the world of music and develop an understanding of the importance of music in their lives. This course will introduce students to music history, theory, as well as the exploration of many genres of music. It will also give students the opportunity to learn guitar, piano, vocal or a secondary instrument. Classes will consist of daily music history, theory lessons, and listening assignments. The second half of the period will include guided practice on

one of the following: piano, guitar, vocal or instrumental (specific instrument/voice will be decided upon by the instructor and the student). At the end of each semester, there will be a recital where students will be required to perform a teacher approved piece on their chosen instrument or voice. Pianos and keyboards will be provided; guitars or other instruments will need to be provided by the student and teacher approved. This course can be taken multiple semesters.

DRIVER EDUCATION

This course is offered to students who wish to learn the mechanics and rules of safe driving. State law required students to have passed eight semester classes in the two preceding semesters to be eligible to take Driver Education.

Driver Education Classroom - Course Code 08151A000 - 0.25 credit

This class covers the rules and regulations of safe driving procedures. Laws, safety and maintenance of the automobile will be explained. This is also an opportunity to determine the general attitude of the driver before he or she is placed on the road. State law requires that all students enrolling in Driver Education need to show proof of passing a total of eight courses during the previous two semesters (excluding PE). This course is for sophomores, though freshmen who will be 15 years of age by the first day of each semester will be scheduled as space permits. This class meets for one quarter.

Driver Education Behind-the-Wheel - Pass/Fail

The Driver Education Classroom lessons are applied. Techniques of safe driving are demonstrated by the student. Attitude and common sense will be applied directly in situations. Behind-the-wheel is pass/fail.

PHYSICAL EDUCATION

In order to meet graduation requirements, students are expected to be enrolled in Physical Education every semester throughout their four years of high school except when enrolled in Health class, or exempt according to state guidelines. Students are given a grade for PE which is calculated in the student's grade point average. Physical Education and Weightlifting and Fitness CANNOT be taken during the same semester.

Physical Education - Course Code 08001A000 - 0.5 credit

Physical Education is offered as a co-educational class during the four years of high school. Staying active and physically fit are emphasized through exercising with weights, running, and fitness DVDs/equipment three days per week. Individual effort and learning to cooperate in team sports are also emphasized during game days two times per week. This class is offered each semester for all students. One-half credit per semester.

Weightlifting and Fitness - Course Code 08009A000 - 0.5 credit

This physical education class is designed to develop cardio-respiratory endurance, muscular strength, agility and flexibility. It consists of weight-lifting, and individual exercise and running programs to increase endurance and strength. Students who elect this physical education option must finish the semester in this class, unless excused by a medical doctor. This class is an alternative to regular PE. Open to junior and senior students, both male and female. One-half credit per semester.

Health - Course Code 08051A000 - 0.5 credit

This course explores subjects that will help students deal more effectively with particular issues in their lives. The development of a positive self image, an understanding of sexuality, the clarification of values, and the effect of behavior on health and disease are emphasized. Community health, personal health, and nutrition are covered. This semester course is required for freshmen.

VOCATIONAL EDUCATION

These courses are for students who want to develop skills to enter the workplace or prepare for a technical career. A work-study course is offered through our high school, or students may choose to participate in the courses offered through Lincolnland Technical Education Center (L-Tech) at Lincoln Community High School, subject to enrollment guidelines.

Cooperative Work Training (CWT) - Course Code 22153A001 - 2 credits

This is a classroom/work-training course open only to seniors. The classroom portion is scheduled one period every day. The class is designed to acquaint students with skills for successful employment. Students are required to work at least 15 but not more than 30 hours per week. Students are also responsible for finding their own jobs, which must be approved by the principal and coordinator. The work portion must be substantiated by pay stubs with tax withholdings. Household/family jobs will not be considered, as students are required to have work experiences outside of family influences. Most students will choose early release time to accommodate afternoon work schedules. This is a full-year, elective course for two credits (one credit for classroom and one credit for work). Classroom credit must be earned before work credit can be granted. Students are not admitted into the program at mid-term. Students must have approved jobs at the start of the school year. Participation in this class requires administrative approval, and is based in part on work habits as demonstrated through punctuality and attendance during the first three years of high school. Class size is limited. Failure to have a job for three consecutive weeks will result in removal from the class.

Lincolnland Technical Education Center (L-Tech) at Lincoln Community High School is offering the following vocational courses, which are open to MPHS juniors and seniors. Students interested in any of these courses should make an appointment with the guidance counselor to discuss the prerequisites and policies involved in registering. The offering of these courses to Mt. Pulaski students is based on enrollment and administrative decisions, due to scheduling and transportation constraints. Students enrolled in this program must use the transportation provided by the school district and are not permitted to drive to classes. The bus leaves MPHS at 7:40 a.m. and returns about 10:20 a.m. Students are responsible for their own transportation to school to meet this bus. These are full-year classes.

The following courses are offered through this program. The course descriptions are from the Lincolnland Technical Education Center brochure.

Automotive Technology - Course Code 20104A001 - 3 credits

Automotive Technology is a two-year course with an annually revolving curriculum. Automotive Technology I and II students share the same classroom and share the same curriculum. For full benefit, the student must take the course for the full two years. Students will be taught how to disassemble, inspect, diagnose, and repair or replace automotive systems, components and assemblies so they can continue to update their skills. Developing both good learning and good working skills is emphasized.

Topics covered first semester include the automotive industry, automotive safety practices, automotive tools and equipment, brake systems including hydraulic systems, drum brakes, disc brakes, power brake boosters,

parking brakes, and anti-lock brakes, electrical and electronic systems including electrical system operations, batteries, starting system, charging system, lighting systems, and accessory and safety systems.

Topics covered the second semester include engine performance including piston engine operation, diagnosing engine problems, sensors and actuators, air induction systems, fuel systems, ignition systems, computer diagnostics OBD-I and OBD II, emission control systems, suspension and steering including diagnosing and repairing steering systems, diagnosing and repairing suspension systems, wheel alignment, tires and wheels.

Automotive Technology II - Course Code 20104A001 - 3 credits

As a continuation of Automotive Technology II, students will be taught how to disassemble, inspect, diagnose and repair or replace automotive systems, components and assemblies so they can continue to update their skills. Developing both good learning and good working skills is emphasized.

Topics covered first semester include the automotive industry, automotive safety practices, automotive tools and equipment, engine repair including piston engine operation, cooling and lubricating systems, diagnosing engine problems, engine removal, disassembly and cleaning, inspecting and measuring engine components, servicing cylinder heads, servicing the block assembly, and engine assembly and installation; heating and air conditioning including heating and air conditioning operation, diagnosing and repairing heating and engine cooling systems, diagnosing air conditioning systems, recovery and recharging air conditioning systems, repairing air conditioning components, and diagnosing and repairing controls systems.

Topics covered second semester include automotive transmissions and transaxles, torque converters and gear trains, hydraulic principles, hydraulic control systems, apply components, electronic controls, rebuilding an automatic transmission or transaxle, manual drive train and axles including clutch systems, rear-wheel-drive manual transmissions, rear-wheel-drive drivelines, manual transaxles, front-wheel-drive drivelines, and four-wheel-drive drivelines. **Prerequisite: Successful completion of Automotive Technology I.**

Building Trades I - Course Code 17002A001 - 3 credits

This class is designed to expose students to all phases of the small-home construction industry over a two-year period. Building Trades I is the “rough in” phase including framing, roofing, setting doors and windows, siding, and electrical wiring. Rough-in plumbing, both sewer and water lines is included. A wood deck, small storage shed, and some landscaping will finish the first year. Students may be eligible for proficiency credit at Lincoln Land Community College.

Building Trades II - Course Code 17002A002 - 3 credits

The class is devoted to the inside or “finish carpentry” of the house. This includes hanging and taping drywall, painting, staining, varnishing, and wallpapering. Interior doors are installed along with all the trim work. Cabinets and counter-tops are set. The electrical wiring is completed with switches, receptacles, and lights. All plumbing fixtures are installed with necessary trim work. Landscaping is completed, and the house readied for sale. The last unit of the year is planning for the next house by blueprint and architectural design. Students may be eligible for proficiency credit at Lincoln Land Community College. **Prerequisite: Successful completion of Building Trades I.**

Culinary Arts I - Course Code 16052A001 - 3 credits

This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food-service and related competencies. The students

receive laboratory experiences using commercial food service equipment, preparing food in quantity, and serving food. The course includes instruction on sanitation and safety in the food and beverage industry. Students will receive instruction in preparation for taking the required state examination to obtain the food handlers license. Students completing Culinary Arts I with a “C” or better may receive proficiency credit at Lincoln Land Community College.

Culinary Arts II - Course Code 16055A001 - 3 credits

Coursework covers a broad spectrum: the preparation of basic and specialized foods, basic dining room service, menu planning and nutrition, catering and special function planning, sanitation, purchasing, and inventory. More emphasis is placed on management skills, human relations and supervision. Training experiences involve equipment and facilities that simulate those found in business and industry. Students completing Culinary Arts II with a “C” or better will be eligible for proficiency credit at Lincoln Land Community College. **Prerequisite: Successful completion of Culinary Arts I.**

Health Occupations - Course Code 14051A001 - 3 credits

This course includes classroom, laboratory, and clinical experiences. Basic nursing assistant skills are presented and performed in nursing homes. Hospital healthcare professions are discussed. Students may receive articulation credit at Heartland Community College or Lincoln Land Community College. Students are required to purchase uniforms and clinical supplies for this class.

Criminal Justice / Legal Services - Course Code 12002A001 - 3 credits

This course introduces students to aspects of the legal system and how various legal bodies function within their jurisdictions. Specific course topics will include criminal investigation, evidence analysis (including forensic science), witness and suspect interviewing, report reading and writing, as well as a study of how the legal system has evolved over time.

Advanced Desktop / Digital Media - Course Code 10202A001 - 3 credits

This course will teach students to assemble, design, edit, and produce publications using PageMaker 7.0, Photoshop 6.0, other graphics and publishing programs, and a scanner. Students will prepare publications including a flyer, menu, tri-fold brochure, advertisements, newsletter, poster, and business cards. Students will understand the capabilities of desktop publishing and its implications for the business community. In addition, students will publish the school newsletter and take on other publishing projects for various organizations throughout the school community. Upon completion of the course, students will be able to format and edit using PageMaker and create page layouts, along with creating and importing graphics and other files. Students who successfully complete this course will receive credit through Heartland Community College for ACSM 163 and ACSM 155.

Advanced Desktop / Digital Media II - Course Code 10202A001 - 3 credits

This course will allow students to use the skills learned in Advanced Desktop Publishing I in a more independent setting. Because of the skills already learned, students will be supervisors of the production of the school newsletter. In addition, students will complete projects for school clubs, departments, and events as needed. Students will seek out opportunities in the local community to provide Desktop Publishing services including making brochures, business cards, or event flyers for community members. Finally, students will arrange and participate in a job-shadowing activity in this career area. **Prerequisite: Successful completion of Advanced Desktop / Digital Media I.**

Computer Repair and Networking - Course Code 10102A001 - 3 credits

The computer repair portion of this course will introduce students to the internal functions of a computer. Students will learn to troubleshoot on various types of hardware and operating systems. Students will use hands-on labs to disassemble and assemble various computers. Upon completion of the repair portion of the class, students will be eligible to take the A+ Certification Test. The networking portion of this course will introduce students to terminology and network designs. The students will use hands-on labs to create cables, test electronics, and assemble multiple computer stations. Upon completion of the networking portion of the class, students will be eligible to take the Net+ Certification Test. Students may receive articulation credit at Heartland Community College. Open to juniors and seniors. **Prerequisite: "C" or better in Algebra I.**

Metal Manufacturing I - Course Code 13207A001 - 3 credits

This course involves one semester of welding and one semester of machining. In welding, students will learn safe operation for electric arc welding, oxy-fuel welding, flame cutting, metal shearing and band sawing, and stationary and portable grinding equipment. In machining, students will learn the safe operation of precision equipment including the machine lathe, vertical and horizontal milling machines, surface grinding, tap and die, and metal finishing. Students have the opportunity to join VICA (Vocational Industrial Clubs of America) to improve their leadership skills. Students will be required to pay project fees in this course. Open to juniors and seniors.

Metal Manufacturing II - Course Code 13207A002 - 3 credits

Students taking the Metal Trades II course will receive a more intensive investigation into the areas of welding and machining. In welding, safe operation of heat gas welding, shielded arc welding, and oxy fuel welding will be experienced. The student will produce fixtures and a major project involving all welding equipment located within the facility. In machining the student will experience blueprint reading and precision machining related to industrial machining operation. All students will design and produce a project using all available equipment located within the facility. Students have the opportunity again to continue their VICA (Vocational Industrial Clubs of America) membership. Students will be required to pay project fees in this course. **Prerequisite: Metal Manufacturing I.** Open to juniors and seniors.

CEO Entrepreneur - Course Code 79000 Level 12 - 2 credits

The local business community partners with area schools to create project based experiences for students. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own business. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem solving, teamwork, self-motivation, responsibility, higher order thinking, communication, and inquiry are at the heart of student development throughout the course. The class will meet 90 minutes per day, 5 days per week. **Prerequisites:** Senior at a minimum age of 16 years old. Completed and approved application by the CEO Committee. This year-long course is weighted.

Summary of Course Offerings

Course	Prerequisite(s)	Length	Credit	9	10	11	12
ENGLISH							
English I	required of all freshmen	Year	1.0	X			
English II	required of sophomores	Year	1.0		X		
English III	required of juniors	Year	1.0			X	
English IV General	required of seniors (or Adv. English IV below)	Year	1.0				X
Advanced English IV *	Above average English students – “B” or better in English III	Year	1.0 weighted				X
MATHEMATICS							
Algebra I	placement test or teacher referral	Year	1.0	X	X	X	X
Geometry	Algebra I or IA /IB or teacher referral	Year	1.0	X	X	X	X
Algebra II	Algebra I or IA and IB, Geometry	Year	1.0	X	X	X	X
Pre-Calculus*	Algebra I or IA and IB, Algebra II, Geometry	Year	1.0 weighted			X	X
Calculus*	Advanced Math	Year	1.0 weighted			X	X
SCIENCE							
Life Science		Year	1.0	X	X		
Physical Science		Year	1.0	X	X		
Biology	teacher recommendation	Year	1.0	X	X	X	X
Chemistry	Biology, Algebra I or Algebra IA and IB	Year	1.0		X	X	X
BSAA – Plants*	Biology and Algebra I	Semester	0.5 weighted		X	X	X
BSAA – Animals*	Biology and Algebra I	Semester	0.5 weighted		X	X	X
Advanced Chemistry*	Biology, Chemistry	Year	1.0 weighted			X	X
Advanced Biology*	Biology and Chemistry (or concurrent enrollment)	Year	1.0 weighted		X	X	X
Anatomy & Physiology*	Biology and Chemistry (or concurrent enrollment)	Year	1.0 weighted			X	X
Physics*	Advanced Math or concurrent enrollment or consent of instructor	Year	1.0 weighted				X

Course	Prerequisite(s)	Length	Credit	9	10	11	12
SOCIAL STUDIES							
World Geography	required of freshmen	Year	1.0	X	X	X	X
World History		Year	1.0		X	X	X
United States History	required of juniors	Year	1.0			X	
Contemporary America		Semester	0.5		X	X	X
Current Issues	This class may be taken twice.	Semester	0.5		X	X	X
Sociology	Sophomores may only register with consent of instructor	Semester	0.5		X	X	X
Civics	required of seniors	Semester					X
Economics		Semester	0.5			X	X
Legal Systems		Year	1.0			X	X
FOREIGN LANGUAGE							
Spanish I		Year	1.0	X	X	X	X
Spanish II	Spanish I (with grade of "C" or better)	Year	1.0		X	X	X
Spanish III*	Spanish I and II (with grade of "C" or better)	Year	1.0 weighted			X	X
Spanish IV*	Spanish I, II and III (with grade of "C" or better)	Year	1.0 weighted				X
BUSINESS							
Keyboarding & Formatting	required of sophomores	Semester	0.5		X		
Business and Marketing Concepts		Semester	0.5			X	X
Accounting I		Year	1.0		X	X	X
Accounting II *	Accounting I	Year	1.0 weighted			X	X
RESOURCE MANAGEMENT							
Resource Management	required of seniors	Semester	0.5				X

Course	Prerequisite(s)	Length	Credit	9	10	11	12
AGRICULTURE							
Intro to Agriculture	FFA membership recommended	Year	1.0	X	X		
Soil, Crop and Livestock	Intro to Ag and FFA membership recommended	Year	1.0		X	X	X
Ag Business/Management	FFA membership recommended	Year	1.0			X	X
BSAA – Plants*	Prerequisite: Biology and Algebra I FFA membership recommended	Semester	0.5 weighted		X	X	X
BSAA – Animals*	Prerequisite: Biology and Algebra I FFA membership recommended	Semester	0.5 weighted		X	X	X
Horticulture	FFA membership recommended	Semester	0.5		X	X	X
Landscape Design	FFA membership recommended	Semester	0.5		X	X	X
Ag Machinery	FFA membership recommended	Year	1.0			X	X
INDUSTRIAL ARTS							
Industrial Occupations Orientation		Year	1.0	X	X		
Woodworking I		Semester	0.5		X	X	X
Woodworking II	Woodworking I	Semester	0.5		X	X	X
Woodworking III	Woodworking I and II and permission of instructor	Semester	0.5			X	X
Metals and Welding		Semester	0.5			X	X
Building Construction		Year	1.0			X	X
Drafting I		Semester	0.5		X	X	X
Drafting II		Semester	0.5		X	X	X
CWT (WORK-STUDY)							
CWT Class/Job	Permission of instructor - see course description.	Year	2.0				X

Course	Prerequisite(s)	Length	Credit	9	10	11	12
FAMILY AND CONSUMER SCIENCE							
Intro to FACS		Year	1.0	X	X		
Child Development/Parenting		Semester	0.5		X	X	X
Nutrition and Culinary Arts I	preference given to juniors and seniors	Semester	0.5		X	X	X
Nutrition and Culinary Arts II	Nutrition and Culinary Arts I	Semester	0.5		X	X	X
Adult Living		Semester	0.5		X	X	X
Textiles and Design I		Semester	0.5		X	X	X
Textiles and Design II	Clothing I and permission of instructor	Semester	0.5		X	X	X
Family and Consumer Sciences Communications	FCCLA Membership and Participation	Semester	0.5	X	X	X	X
MUSIC							
Music Appreciation		Year	1.0	X	X	X	X
Band	Must have participated in junior high band or have permission of instructor.	Year	1.0	X	X	X	X
ART							
Art I		Year	1.0	X	X	X	X
Art II	Art I	Year	1.0		X	X	X
Art III	Art I, Art II	Year	1.0			X	X
Art IV	Art I, Art II, Art III	Year	1.0				X
DRIVER EDUCATION							
Driver Education Classroom	Must be 15 by first day of class plus meet academic requirements	9 weeks	0.25	X	X	X	X
Driver Education Behind-the-Wheel	A student is scheduled for behind-the-wheel instruction after earning a learner's permit in the classroom. They usually drive with the instructor during study hall. Behind-the-wheel grades are pass/fail and earn no academic credit.						
HEALTH							
Health	required of freshmen	Semester	0.5	X			

Course	Prerequisite(s)	Length	Credit	9	10	11	12
PHYSICAL EDUCATION							
Physical Education	required each year	Semester	0.5 per semester	X	X	X	X
Weightlifting and Fitness	open to males and females (sophomores may be scheduled as space permits)	Semester	0.5 per semester		X	X	X

Course	Prerequisite(s)	Length	Credit	9	10	11	12
LINCOLNLAND TECHNICAL EDUCATION CENTER (L-TECH)							
Auto Technology I		Year	3.0			X	X
Auto Technology II		Year	3.0				X
Building Trades I		Year	3.0			X	X
Building Trades II		Year	3.0				X
Computer Repair		Year	3.0			X	X
Criminal Justice and Legal Services		Year	3.0			X	X
Culinary Arts I		Year	3.0			X	X
Culinary Arts II		Year	3.0			X	X
Advanced Desktop /Digital Media I		Year	3.0			X	X
Advanced Desktop /Digital Media II		Year	3.0				X
Health Occupations		Year	3.0			X	X
Metal Manufacturing I		Year	3.0			X	X
Metal Manufacturing II		Year	3.0				X