

POPLAR BLUFF  
SENIOR HIGH SCHOOL

CAREER & EDUCATION  
PLANNING GUIDE

9TH, 10TH, 11TH, & 12TH GRADE COURSES  
2023-2024

OUR MISSION:

PBHS will challenge all students to achieve their  
greatest potential.

## GRADUATION REQUIREMENTS

4 UNITS OF COMMUNICATION ARTS	1 UNIT OF PRACTICAL ARTS (AG, Business, FACS, Help Desk, JROTC, Marketing)
3 UNITS OF MATH	1 UNIT OF PHYSICAL EDUCATION
3 UNITS OF SCIENCE (required Biology)	½ UNIT OF HEALTH
3 UNITS OF SOCIAL STUDIES (required: AM History, World History, AM Government)	½ UNIT OF PERSONAL FINANCE
1 UNIT OF FINE ARTS (Drama, Art, Music)	7 UNITS OF ELECTIVES
MUST PASS: CIVICS, MO and US CONSTITUTIONS TESTS	MUST TAKE: REQUIRED EOCs and CPR
<b>24 UNITS TOTAL</b>	

# COMMUNICATION ARTS

4 UNITS OF LANGUAGE ARTS CREDIT REQUIRED TO GRADUATE

## LA I Transitional: (0040)

Two Semesters Daily: 1 Unit

**Prerequisite:** Teacher and/or department recommendation.

**Description:** This course is designed to improve students' literacy competencies to prepare them for LA II. Students will develop skills to improve reading comprehension, vocabulary, grammar, writing, and critical thinking.

## LA I: (0014)

Two Semesters Daily: 1 Unit

**Description:** In this course, four major areas will be stressed: grammar, composition, vocabulary, and literature. This course will emphasize improving students' writing style, grammatical precision, paragraph unity and coherence, as well as emphasize improving students' reading comprehension. Students will read both fiction and non-fiction and will study themes predominant in world literature and improve their skills in reading and comprehension. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. **All freshmen are required to take LA I or LA I Advanced.**

## LA I ADVANCED: (0015)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) a B- average in 8th Grade Honors or an A- average in 8th Grade Regular, (2) teacher recommendation from 8th Grade English teacher, and (3) parent and student signatures on the PBHS Arena paperwork. Students who desire to enroll in this course who have not achieved the minimum grade requirement and/or are not recommended by their current teacher must meet with the principal.

**Description:** This rigorous, pre-Advanced Placement course will emphasize vocabulary, world literature, composition, and grammar for the advanced student willing to take on these academic challenges. Students will write complex sentences, organize cohesive paragraphs, and compose essays. Writing emphasis will be on sentence structure and clarity of thought. Basic elements of fiction, such as irony, symbolism, and theme from short stories, poems, drama, and the novel will be emphasized. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. **Summer reading is also required and expected to be completed before the beginning of the school year with no exceptions.** The challenging nature of the coursework for Advanced English encouraged to return to regular English, and students who fail a semester will be removed from the course. **This course is weighted in calculating GPA.**  
\*Some reading materials may contain mature content.

## LA II: (0025)

Two Semesters Daily: 1 Unit

**Description:** In this course, three major areas will be stressed: grammar, composition, and literature. The course will emphasize improving students' writing style, grammatical precision, paragraph unity, and coherence, as well as emphasize improving students' reading comprehension. The student will read fiction and non-fiction and will study themes predominate in American literature. Students will improve their skills in reading and comprehension. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. **All sophomores are required to take LA II or LA II Advanced.**

## LA II ADVANCED (0026)

Two Semesters Daily: 1 Unit



**Prerequisites:** (1) a B- average in LA I Advanced OR an A- average in LA I, (2) teacher recommendation from 9th Grade English teacher, and (3) parent and student signature on the Poplar Bluff Arena Form.

**Description:** This rigorous, pre-Advanced Placement course will emphasize American literature, composition, grammar, and vocabulary for advanced students willing to take on these academic challenges. Literature will begin with the Puritans and continue through the modern era. Compositions will relate to the literature and will include learning the elements of a research paper. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. Summer reading is also required. The challenging nature of the coursework for Advanced English classes, obligations for reading and writing beyond the time spent in class, and focus on independence in study require a commitment from students. Keeping up with class work is essential. Students who do not achieve at least a B- are encouraged to return to regular English, and students who fail a semester will be removed from the course. **This course is weighted in calculating GPA.** \*Some reading materials may contain mature content.

## LA III (0036)



Two Semesters Daily: 1 Unit

**Description:** This course will emphasize British literature from the Anglo-Saxon era to modern times, covering the historical background and the development of language. Emphasis will also be placed on composition, grammar, vocabulary, and ACT preparation. Students will further develop their writing and thinking skills. Emphasis is also placed upon preparation for the workplace and/or college. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. **All juniors are required to take LA III or LA III Advanced.**

## LA III ADVANCED: (0038)

Two Semesters Daily: 1 Unit



**Prerequisites:** (1) a B- average in LA II Advanced OR an A- average in LA II AND (2) teacher recommendation from 10th grade English teacher. Students who desire to enroll in this course who have not achieved the minimum grade and/or are not recommended by their current teacher must meet with the principal.

**Description:** This rigorous, pre-Advanced Placement course will emphasize British literature from the Anglo-Saxon era to modern times, covering the historical background and the development of language. Emphasis will also be placed on composition, grammar, vocabulary, ACT preparation, and college-ready skills for advanced students willing to take on these academic challenges. Students will be required to read novels outside of class in addition to any in-class reading assignments from textbooks and novels. **Summer reading is also required and expected to be completed by the beginning of the school year with no exceptions.** The challenging nature of the coursework for Advanced English classes, obligations for reading and writing beyond the time spent in class, and focus on independence in study require a commitment from students. Keeping up with classwork is essential. Students who do not achieve at least a B- in their previous school year are encouraged to return to regular English, and students who fail at semester will be removed from the course. **This course is weighted in calculating GPA.** \*Reading may contain mature content as this course is in preparation for AP and college level material.

## TRC COLLEGE WRITING: (0055)

One Semester Daily: .5 Units

First Semester Only

**Prerequisites:** (1) For Juniors and Seniors Only, (2) 18 on ACT English subtest and ACT Reading subtest **OR** qualifying score on the TRC Guided Self-Placement Questionnaire" (3) juniors: a B- in LA II Advanced or an A- in LA II and/or department approval.

**Description:** This course introduces students to college-level writing and establishes standards for writing essays in the rhetorical modes. Expository writing is used as a basis for study and discussion with extensive practice in reading critically and improving essays through revision. Students will also learn to conduct research using library and internet sources following the Modern Language Association (MLA) and American Psychological Association (APA) guidelines. To receive college credit, students must pay TRC tuition and rent a textbook from TRC. **This course is weighted in calculating GPA.**

## TRC ADVANCED COLLEGE WRITING: (0054)

One Semester Daily: .5 Units

Second Semester Only

**Prerequisite:** TRC College Writing with a grade of "C" or better.

**Description:** This course focuses on extended critical inquiry, in-depth library and electronic research, and extensive practice with argumentative academic writing. Students will apply concepts of critical thinking to argumentative and persuasive communication. In addition, the student will apply appropriate research and documentation techniques and evaluate source materials. To receive college credit, students must pay TRC tuition and rent a text from TRC. **This course is weighted in calculating GPA.**

## ENGLISH COMPOSITION: (0048)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Passing LA III Advanced or a B- in LA III **Or** (2) teacher recommendation from 11th grade English teacher.

**Description:** A course for college-bound seniors, English Composition is designed to strengthen writing through the study of sentence structure, paragraphing, vocabulary building, and mechanics. Students are encouraged to be creative, to use clear thinking, and good organization. Students will also be required to present different materials to their instructor and peers. Students are taught the value of careful proofreading and editing of their own work. Stress is placed on descriptive and expository writing and the critical analysis of various types of literature: short stories, essays, novels, and poetry. The challenging nature of the coursework for a college preparatory course, obligations for reading and writing beyond the time spent in class, and focus on independence in the study require a commitment from students. Keeping up with classwork is essential.

## ADVANCED PLACEMENT (AP) ENGLISH COMPOSITION: (0051)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) a B- in LA III Advanced, B in TRC College Writing, or A- in LA III, (2) teacher recommendation from 11th Grade English teacher, and (3) parent and student signature on the Poplar Bluff Arena form. Students who desire to enroll in this course who have not achieved the minimum grade requirements and/or are not recommended by their current teacher must meet with the principal and the instructor.

**Description:** A course for college-bound seniors who desire to engage in a rigorous course of study, it is designed to prepare students to take the Advanced Placement test in Literature and Composition. Please be aware that, as AP is a college-level course, many of the reading selections contain content for adult readers. Students will be expected to maturely and intellectually discuss and analyze possibly inflammatory, provocative, and/or disturbing texts. The following is taken from the College Board's AP Course Description Manual: "An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as smaller-scale elements as the use of figurative language, imagery, symbolism, and tone." Students will study novels, plays, short stories, and poetry, and respond through discussion posts, in-class timed writings, and extended essays. Students will also complete research over assigned literary topics. In addition, students must complete an extensive summer reading assignment. The extremely challenging nature of the coursework, the obligations for reading and writing beyond the time spent in class, and the focus on independence in study require a huge commitment from students. Keeping up with assigned work is essential. **This course is double-weighted in calculating GPA.**

## MYTHOLOGY (0060)

One Semester Daily: .5 Unit

**Prerequisite:** Open to juniors and seniors.

**Description:** This course is designed to introduce students to Greek Mythology. There is an emphasis on Greek culture represented in literature and allusions to Greek Mythology in contemporary literature and products. Research is required to fulfill project-based assignments. The course emphasizes cooperative learning and presentation skills. Text is presented in multiple formats and extensive reading is required.

## BIBLE AS LITERATURE: OLD TESTAMENT(0202)

One Semester Daily: .5 unit

**Prerequisite:** Open to juniors and seniors.

**Description:** This literature course uses a unique book, the NIV Study Bible by Zondervan, as the text. Students will develop reading skills, technology usage, and writing skills through a variety of assignments. The Old Testament will be studied objectively, and no religious beliefs or ideologies will be promoted or denounced. This literature course challenges students to develop critical thinking skills using the *NIV Study Bible* and meets the Missouri Show-Me Standards for a literature course. There will also be significant writing assignments each quarter. Students will be required to complete several hours of reading and other assignments outside of class each week.

## BIBLE AS LITERATURE: NEW TESTAMENT(0203)

One Semester Daily: .5 Unit

**Prerequisite:** Open to juniors and seniors.

**Description:** This literature course uses a unique book, the NIV Study Bible by Zondervan, as the text. Students will develop reading skills, technology usage, and writing skills through a variety of assignments. The New Testament will be studied objectively, and no religious beliefs or ideologies will be promoted or denounced. This literature course challenges students to develop critical thinking skills using the *NIV Study Bible* and meets the Missouri Show-Me Standards for a literature course. There will also be significant writing assignments each quarter. Students will be required to complete several hours of reading and other assignments outside of class each week.

## LITERATURE AS FILM (0065)

One Semester Daily: .5 Unit

**Prerequisite:** Open to juniors and seniors.

**Description:** This is a class that studies multiple aspects of movies and television shows, analyzing literary elements such as plot structure, characterization, symbolism, historical influence, etc. Cinematic elements such as cinematography, locations, acting, directing, and sound mixing will also be studied. Comparisons between films and corresponding novels will be explored in-depth, with emphasis placed on the strengths and weaknesses of the story in each medium.

## CREATIVE WRITING (0045)

One Semester Daily: .5 Unit

**Prerequisite:** Open to sophomores, juniors and seniors.

**Description:** Creative Writing is designed for students to create original forms of descriptive writing, poetry, drama and fiction. Vocabulary development, creative writing techniques, and skills are explored. Writings may be presented in written or oral form.

## CAREER WRITING (0044)

One Semester Daily: .5 Unit

**Prerequisite:** Open to sophomores, juniors, and seniors.

**Description:** This course is an intensive writing course. Students will design effective technical documents for both written and digital media, with particular emphasis upon various writing techniques to help support them in a career-centered, “real-world” environment. The students will create a variety of business and journalistic documents.

## YOUNG ADULT NOVELS (0081)

One Semester Daily: .5 Unit

**Prerequisite:** Open to sophomores, juniors, and seniors.

**Description:** This course will focus on reading and analyzing novels written for and/or marketed to young adults. Students will be required to read supplementary readings about literary narratives, YA literature, adaptations, and analysis will also be assigned throughout the semester.

# MATHEMATICS

3 UNITS OF MATH CREDIT ARE REQUIRED TO GRADUATE

## ALGEBRA 1A (2065)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to all students and (2) 8th Grade Math with C, D, or F OR 8th Grade Algebra I with F OR Pre Algebra with an F.

**Description:** This course will introduce students to concepts in the first half of a first year Algebra course. Students will learn to solve linear equations and linear inequalities, graph linear equations in two variables and linear inequalities in two variables, and solve systems of linear equations and linear inequalities. Algebra 1A and Algebra 1B are separate year long classes that will together cover Algebra I. When both Algebra 1A and 1B are successfully completed, two units of credit are earned toward graduation. For college purposes, this two-year program is equivalent to one unit of Algebra 1.

## ALGEBRA I (2050)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to all students and (2) 8th Grade Math with A or B OR 8th Grade Algebra I with A, B, C or D (scoring basic or below basic on EOC) OR Pre-Algebra with an A, B, C or D OR Algebra I with an F.

**Description:** Algebra I will provide the student with a foundation in the basic concepts and skills of algebra and geometry. An emphasis is given to variables, graphs, rational numbers, solving equations, inequalities, exponents, and polynomials. The objective of this course is to prepare the student for more advanced courses in mathematics.

## DISCRETE MATH I (2026)

Two semesters Daily: 1 unit

**Prerequisites:** (1) Open to all students and (2) 8th Grade Algebra I with A, B, C, or D (scoring proficient on EOC) OR Algebra 1 with C or D OR Geometry with an F.

**Description:** Discrete Math I will require students to explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Emphasis is placed on using deductive reasoning in the analysis of topics such as parallel lines, circles, polygons congruence, similarity, area, volume, and probability. The objective of this course is to prepare the student for more advanced courses in mathematics.

## GEOMETRY (2062)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to all students and (2) 8th Grade Algebra I with an A and advanced on the Algebra 1 EOC OR Algebra I with an A, B, C OR Discrete Math I with an A, B, C, or D OR Geometry with an F.

**Description:** Geometry will provide the student with foundations of skills by combining Algebra I with geometric skills. An emphasis is given to circles, probability, proofs, parallel and perpendicular lines, triangles, quadrilaterals, similarity, trigonometry, transformations, area, and volume. The objective of this course is to prepare the student for more advanced courses in mathematics.

## DISCRETE MATH II (2028)

Two semesters Daily: 1 unit

**Prerequisites:** (1) Open to sophomores, juniors and seniors and (2) Geometry with a C or below.

**Description:** Discrete Math II will build on students' work with linear, quadratic and exponential functions; students will also extend their repertoire of functions to include polynomial, rational, and radical functions. Students will continue to refine their abilities to model situations and to solve equations. Topics will include systems of equations and inequalities, factoring, probability and statistics and matrix operations. The objective of this course is to prepare the student for more advanced math courses.

## ALGEBRA II (2060)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to sophomores, juniors and seniors and (2) Geometry with an A or B **OR** Discrete Math II with a D or better **OR** Algebra II with an F.

**Description:** Algebra II will provide practice in topics of Algebra I while Algebra II skills are introduced and practiced. An emphasis is given to functions, equations, graphs, linear systems, matrices, quadratic equations, polynomials, radical functions, logarithmic functions, and rational functions. The objective of the course is to prepare the student for College entrance exams, chemistry, physics, and more advanced math courses.

## TRC INTERMEDIATE COLLEGE ALGEBRA (2093)

One Semester Daily: 0.5 Unit

Semester One only -

**Prerequisites:** (1) Open to juniors and seniors, (2) Algebra II with an A, B, C, or D **OR** Pre-Calculus with D or F, and (3) Math teacher recommendation.

**Description:** Intermediate College Algebra is a computer based course to prepare students for the mathematics necessary for success on college placement, ACT, and SAT tests. Topics include those found in a typical college entry-level math course. Course content includes algebraic concepts, geometry, number systems and theory, probability and statistics, trigonometry, and discrete math topics.

## PRE-CALCULUS (2080)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to juniors and seniors and (2) Algebra II with an A, B, or C **OR** Intermediate College Algebra with an A, B, C, or D.

**Description:** Pre-Calculus will provide practice in the skills of algebra, geometry, and trigonometry, while advanced topics are introduced and practiced. An emphasis is given to coordinate systems in two dimensions, and linear functions. The objective of the course is to prepare the student for college level study and advanced courses in mathematics. The individual must be interested in and have an enthusiastic appreciation for mathematics to be successful at this level of math. Students have said their ACT math score has improved after successfully completing this course. **This course is weighted when calculating GPA.**

## TRC MATHEMATICAL REASONING AND MODELING (2097)

One Semester Daily: .5 Unit

Semester One only

**Prerequisites:** (1) Open to juniors and seniors (2) successful completion of Algebra II course (2060) and must have a 18 or higher on the ACT math subtest **or** qualifying score on the TRC Guided Self-Placement Questionnaire and (3) math teacher recommendation.

**Description:** The purpose of this course is to provide a comprehensive overview of the skills required to navigate the mathematical demands of modern life and prepare students for a deeper understanding of information presented in mathematical terms. Emphasis is placed on improving students' ability to draw conclusions, make decisions, and communicate effectively in mathematical situations that depend upon multiple factors. **This course is weighted when calculating GPA.**

## TRC COLLEGE ALGEBRA (2095)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Open to Junior and Seniors (2) MATH 153 with a minimum letter grade of C or placement score of MATH 163 on TRC's Self-Guided Placement or minimum score of 22 on ACT Math.

**Description:** A calculator-oriented course concerned with the properties of the various numbers systems, equations, inequalities, functions, and relations. This course is intended to prepare students for fields of study that require a high level of algebraic reasoning or calculus. **This course is weighted when calculating GPA.**

## TRC TRIGONOMETRY (2094)

One Semester Daily: 5 Unit

Semester Two only

**Prerequisites:** (1) Open to junior and seniors (2) must have passed College Algebra with a minimum letter grade of a C (3) a qualifying score on the TRC Guided Self-Placement Questionnaire and (4) math teacher recommendation.

**Description:** This course is concerned with the 6 trigonometric functions and identities associated with them. The student learns how to prove or derive an identity, as well as how to solve a conditional trigonometric equation. One component of the course deals with solving right triangles. Another aspect is the conversion of degrees into radians and vice versa. Some applied problems are considered. **This course is weighted when calculating GPA.**

## TRC CALCULUS I (2096)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Open to seniors, (2) MATH 163 and MATH 164 or minimum score of 28 on ACT Math. (needed for college credit).

**Description:** Calculus is a course focusing on the differential and integral calculus functions of one real variable. An emphasis is given to the techniques of solving problems. This is not an AP class. The objective of the course is to prepare the student for advanced placement at the college level. The student will receive dual credit from Three Rivers College (five total semester hours for passing both first and second semesters, collectively). To receive the college credit, students must remit all required and associated fees and achieve a qualifying standardized test score. **This course is weighted when calculating GPA.**

**TRC PROBABILITY AND STATISTICS (2098)** 

One Semester Daily: 5 Unit

Semester Two only

**Prerequisites:** (1) Open to junior and seniors (2) must have passed Mathematical Reasoning & Modeling OR College Algebra with a minimum letter grade of C and/or 26 or higher on ACT Math subtest or qualifying score on the TRC Guided Self-Placement Questionnaire and (3) math teacher recommendation.

**Description:** Introduction to the basic concepts of statistics including descriptive measures of location and dispersion, elementary probability distributions, estimation, hypothesis testing, correlation, analysis of variance, and linear regression. In various units of the course, the student utilizes computer statistical software to facilitate the analysis of data. **This course is weighted when calculating GPA.**

# SCIENCE

3 UNITS OF SCIENCE CREDIT ARE REQUIRED TO GRADUATE

## PHYSICAL SCIENCE (7040)

Two Semesters Daily: 1 Unit

Open to Freshmen and Sophomores

**Prerequisites for Freshmen only:** (1) Pre-Algebra with at least a C- and (2) Science Department approval.

**Description:** This is a basic introductory physics and chemistry course. Topics will include SI system, motion, forces, energy, power, matter, periodic table trends, bonding, chemical reactions, acids and bases, and nuclear reactions. Students successfully completing this course are generally prepared for concepts of chemistry or earth science as a sophomore.

## PHYSICAL SCIENCE – ADVANCED (7045)

Two Semesters Daily: 1 Unit

Open to Freshmen

**Prerequisites:** (1) Algebra I with at least a B- average or Pre-Algebra with at least a B+ average, (2) 8th Grade Science or Earth Science with at least a B average, and (3) Science Department approval.

**Description:** This is a rigorous introductory physics and introductory chemistry course. Algebraic equations are used and manipulated throughout this course incorporating significant figures and scientific notation. Topics planned: SI system, motion, forces, energy, power, matter, periodic table trends, chemical reactions, acids and bases, and nuclear reactions. Students successfully completing this course are generally prepared for chemistry I or concepts of chemistry as a sophomore. Earth science is also an option. **This course is weighted in calculating GPA**

## EARTH SCIENCE (7003)

Two Semesters Daily: 1 Unit

Open to Freshmen and Sophomores.

**Description:** This core course will include topics such as plate tectonics, geology, pollution and the human impact on resources, the hydrologic cycle, space science, and weather and climate.

## INTRO TO ASTRONOMY (7034)

One Semester Daily: .5 Unit

Open to Freshmen and Sophomores. Students who have previously passed high school level astronomy may not take this class. The content of this class includes, but is not limited to, exploration of Earth's solar system, comets, asteroids, the Kuiper Belt, planets, the heliopause, exploratory devices (the Mars Rover, JWST, etc.), and the electromagnetic spectrum.

## ASTRONOMY (7031)

One Semester Daily: 0.5 Unit

Open to Freshmen who have passed Intro to Astronomy with at least a B- and are currently taking Algebra I or higher in math,

Open to Sophomores who have passed either earth science or physical science with at least a C

Open All Juniors and Seniors

The content of this class includes, but is not limited to, extra-solar system phenomena including galaxies, black holes, ELGS, pulsars, star life cycles, space time, doppler red and blue shift, and telescopic exploration.

## ECOLOGY (7018)

One Semester Daily: 0.5 units

Open to all students

**Prerequisites:** Preference will be given to the students who have completed 8th Grade Math with an A or B **or** 8th Grade Algebra I with an A, B, or C **or** Pre-Algebra an A, B, or C **or** high school Algebra I with an A, B, or C. *Students in the class will have to be able to use and manipulate basic algebraic equations.*

**Description:** Ecology is the study of the interactions between organisms and their environment. This course provides a background in the fundamental principles of ecological science, including concepts of population and community ecology, biodiversity, and sustainability. Topics include Ecosystems, Energy flow, Trophic Level, Matter Cycling, Biomes and Climate, Population, Biodiversity, and Natural Resources. *Note: Students in this class are required to go outside every week in various weather conditions.*

## CONCEPTS OF CHEMISTRY (7066)

Two Semesters Daily: 1 Unit

Open to Sophomores, Juniors, and Seniors who meet the course prerequisites.

**Prerequisites:** (1) Physical Science with at least a B average OR Advanced Physical Science with at least a B-average OR Biology as a Junior with at least a B average (must have taken Physical Science or Advanced Physical Science) (2) Algebra I or Discrete Math I with at least a B+ average or Geometry or Discrete Math II with at least a B average and (3) Science Department approval.

**Description:** This course is meant to be a transitional course following Physical Science or Advanced Physical Science into Chemistry I. It is designed to familiarize the student with basic chemistry concepts, principles, and terminology. Basic algebra skills will be used to analyze data and support the material covered in the course. Topics to be studied include the composition of matter and how elements interact, proper laboratory procedures, and the practical application of chemistry in everyday life. The purpose of this course is to prepare students for taking courses in Chemistry in the future, whether in high school or college, including those required for healthcare and agricultural programs.

## CHEMISTRY I (7050)

Two Semesters Daily: 1 Unit

Open to Sophomores, Juniors, and Seniors who meet the course prerequisites.

**Prerequisites:** (1) Physical Science with at least an A average AND Algebra I with at least an A average, OR (2) Advanced Physical Science with at least a B+ average AND Geometry with at least a B+ average, OR (3) Concepts of Chemistry with at least a B+ average AND either Geometry or Algebra I with at least a B+ average, OR (4) Biology as a Junior with at least a B+ average and at least a current B+ average in math, and (5) Science Department approval.

**Description:** This course is designed to familiarize the student with basic chemistry concepts, principles, and terminology. Intensive application of upper-level algebra is required of all students in successfully completing this course. Topics to be studied include the composition of matter and how elements react to form new substances, energy and its transformations, mathematical relationships in chemical formulas and equations, and proper laboratory procedures. Successful completion of Chemistry I will allow the student to make a transition into AP Chemistry which is suggested for students preparing to attend college and major in the sciences. **This course is weighted in calculating GPA.**

## ORGANIC CHEMISTRY(7067)

One Semester Daily: 0.5 Unit

Open to Juniors and Seniors who meet the course prerequisites.

**Prerequisites:** (1) Concepts of Chemistry with at least a B+ average, OR (2) Chemistry I with at least a B average, and (3) Science Department approval.

**Description:** In this course students will be introduced to the fundamental concepts of Organic Chemistry, including naming and writing formulas for simple and advanced organic compounds, acids and bases, types of organic chemical reactions, chemical kinetics, thermodynamics, and properties of organic compounds.

## BIOCHEMISTRY(7026)

One Semester Daily: 0.5 Unit

Open to Juniors and Seniors who meet the course prerequisites.

**Prerequisites:** (1) Concepts of Chemistry with at least a B+ average, OR (2) Chemistry I with at least a B average, and (3) Science Department approval.

**Description:** In this course, students will learn about the four biological macromolecules (carbohydrates, lipids, proteins, and nucleic acids) and the biochemical processes in which they are involved. These processes include cellular respiration, photosynthesis, DNA, protein synthesis, and osmosis.

## ADVANCED PLACEMENT (AP) CHEMISTRY (7063)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit.

Open to Juniors and Seniors.

**Prerequisites:** (1) Chemistry I with at least a B+ average AND a passing grade in Algebra II (or concurrent Algebra II enrollment) and (2) Science Department approval. (It is strongly recommended to complete Algebra II prior to AP Chemistry enrollment.)

**Description:** This elective course is an Advanced Placement, rigorous, college-preparatory course in which chemistry is taught from a mathematical viewpoint. It is only offered to those students who have a desire to get a more detailed and complete view of chemistry beyond the successful completion of Chemistry I. The primary purpose of this course is to prepare students for college chemistry. This course uses a college-level text and the Advanced Placement Course guidelines which prepare students to take the AP test for college credit if they wish. The text and laboratory work required for this course is college level, requiring a dedicated effort by the student in order to be successful. **This course is double-weighted in calculating GPA.**

## ADVANCED PLACEMENT (AP) PHYSICS I (7071)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors. Freshmen and Sophomores require special permission from the Physics Teacher and must meet all prerequisites.

**Prerequisites:** (1) Completion of Geometry AND Algebra II with a minimum of a B+ (A student currently in Algebra II with a B+ or higher may qualify by making a satisfactory score on a physics pretest) (2) Must have Science Department approval.

**Description:** This elective course is rigorous and equivalent to a first-semester college course in algebra-based physics. It includes but is not limited to Newtonian mechanics (including rotational dynamics and angular momentum, work, energy, and power, mechanical waves, sound, and introduces electric circuits. **This course is double-weighted in calculating GPA.**

## ROBOTICS (7097)

Two Semesters Daily: 1 Unit

Open to Incoming Freshmen **must** have taken Project Lead The Way (Robotics), and be recommended by the instructor, in order to be eligible to take this class. Sophomores, Juniors and Seniors.

**Prerequisite:** All students need a recommendation from their current Science teacher or the Robotics Instructor.

**Description:** Robotics is a lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, integrating math, science, and technology design principles with real applications. The focus will be on the construction and programming of autonomous mobile robots. Students will work in groups to build and test increasingly more complex mobile robots, competing in several FIRST robot contests. An Engineering Notebook will be required to document robot construction/programming. Students should have an interest in learning how to program and in designing/building a robot. Students will design, build and program a robot to perform assigned tasks. Individual robotic projects from inception to the finished projects will supplement the class. Students **may be required** to work after school one to two days a week and on some Saturdays. Students **may be required** to attend/participate in competitions on weekends and weekday nights. Transportation for the work required outside of the school day is the responsibility of the student/parent

**ROBOTICS II (7098)**

Two Semesters Daily: 1 Unit

Open to Sophomores, Juniors, and Seniors

**Prerequisites:** Robotics I with a C or above & permission from the Instructor.

**Description:** Students will build a higher level of ability in robot design, building and coding. This course is designed for students wanting to develop their skills to a higher level of critical thinking. An engineering notebook will be required. Students **may be required** to work after school one to two days a week and on some Saturdays. Students **may be required** to attend/participate in competitions on weekends and weekday nights. Transportation for the work required outside of the school day is the responsibility of the student/parent.

**ROBOTICS III (7099)**

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors.

**Prerequisites:** Robotics I & II with a C or above & permission from the Instructor.

**Description:** Students will build a higher level of ability in robot design, building and coding. This course is designed to develop a higher level of critical thinking. An engineering notebook will be required. Students **may be required** to work after school one to two days a week and on some Saturdays. Students **may be required** to attend/participate in competitions on weekends and weekday nights. Transportation for the work required outside of the school day is the responsibility of the student/parent.

**Robotics IV (7094)**

Two Semesters Daily: 1 Unit

Open to Seniors.

**Prerequisites:** Robotics I, II & III with a C or above & permission from the Instructor.

**Description:** Students will build a higher level of ability in robot design, building and coding. This course is designed for students wanting to develop their skills to a higher level of critical thinking. An engineering notebook will be required. Students **may be required** to work after school one to two days a week and on some Saturdays. Students **may be required** to attend/participate in competitions on weekends and weekday nights. Transportation for the work required outside of the school day is the responsibility of the student/parent.

**BIOLOGY (7020)**

Two Semesters Daily: 1 Unit

Required for Juniors and open to Sophomores with current Science teacher's approval.

**Description:** This required core course covers living organisms focusing on structures and function at all levels of organization. Topics include scientific method, cell structure and function, cell division, photosynthesis and cellular respiration, the structure and function of RNA and DNA, genetics, natural selection, ecology, and human impact on the environment. This is an EOC tested course.

## TRC GENERAL BIOLOGY (7090)

Two Semesters Daily: 1 Unit

*Open to Juniors and Seniors.*

**Prerequisites:** (1) Biology with at least a B+ Semester average and (2) 18 or higher on each ACT Math, English and Reading subtest **OR** placing into BIOL 101 on the self-guided placement test.

**Description:** This elective course emphasizes knowledge of the basic concepts in the field of life science including energetics, control mechanisms, organization, inheritance, and interaction with the environment. The student will receive dual credit from Three Rivers College (five total semester hours for passing both first and second semesters, collectively). To receive the college credit, students must remit all required and associated fees and achieve a qualifying standardized test score. Students may only take either TRC Biology or AP Biology, but not both of them. **This course is weighted in calculating GPA. Students must choose between TRC Biology and AP Biology. They may not take both courses.**

## ADVANCED PLACEMENT (AP) BIOLOGY (7080)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

*Open to Juniors and Seniors.*

**Prerequisites:** (1) Biology with at least an A- Semester average and successful completion of Chemistry I and (2) Science Department approval.

**Description:** This is an inquiry-based, rigorous, and demanding, college preparatory course in which biology is taught from an atomic/molecular viewpoint. Statistical analysis of data and modeling concepts will also be explored. Only students with strong chemistry and math backgrounds and motivation to work independently should take this course. **This course is double-weighted in calculating GPA. Students must choose between TRC Biology and AP Biology. They may not take both courses.**

## ANATOMY AND PHYSIOLOGY (7095)

Two Semesters Daily: 1 Unit

*Open to Juniors and Seniors.*

**Prerequisites:** (1) Biology with at least a B+ Semester average and (2) Science Department approval.

**Description:** This elective course provides a focus on the structure and function of the human body. It is an advanced and demanding course that requires independent work on the student's part. This course will include but not be limited to these topics: terminology, histology, integumentary system, skeletal system, muscular system, nervous system, cardiovascular system, lymphatic system, digestive system, urinary system, and reproductive system. Students taking this course will be expected to actively participate in class discussions, activities, laboratories, dissections, student-led presentations, exams and lab practicals. The intent of this course is to prepare students for readiness for post-high school education in the field of healthcare/medicine. **This course is weighted in calculating GPA.**

## FORENSIC SCIENCE (7010)

One Semester Daily: .5 Unit

*Open to Juniors, and Seniors.*

**Prerequisites:** Completed or currently enrolled in Biology

**Description:** Forensic Science provides an introduction to the topics of criminology within the field of forensic science. Study includes the applications of concepts from the areas of biology, chemistry, physics and geology to analyze and investigate evidence that may be discovered in a criminal investigation. Classroom activities include experiments, projects, case studies and the incorporation of technology. Laboratory applications will include use of the microscope and gel electrophoresis.

# SOCIAL STUDIES

**3 UNITS OF SOCIAL STUDIES CREDIT ARE REQUIRED TO GRADUATE  
(REQUIRED: AMERICAN HISTORY, WORLD HISTORY, & AMERICAN GOVERNMENT)**

## AMERICAN HISTORY (1031)

Two Semesters Daily: 1 Unit

This is a required course for freshmen.

**Description:** American History emphasizes the events and forces that have shaped the growth of our nation from the Civil War to the present time. The presentation of these events and forces has a dual purpose. Objectively, the student is expected to acquire a sound, factual knowledge of the American heritage. Subjectively, the student is encouraged to inquire as to know how this heritage relates to the emergence of the United States from a rather isolated, rural, agrarian country into the leading international, urbanized, industrialized, nation of the modern world.

## AMERICAN HISTORY ADVANCED (1035)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Must be a freshman or transfer student, (2) a B average in 8th Grade Honors **OR** an A-average in 8th Grade Regular, and (3) teacher recommendation from 8th Grade Social Studies teacher.

**Description:** This course meets the American History graduation requirement. American History emphasizes the events and forces that have shaped the growth of our nation from the Civil War to the present time. The presentation of these events and forces has a dual purpose. Objectively, the student is expected to acquire a sound factual knowledge of the American heritage. Subjectively, the student is encouraged to inquire as to know how this heritage relates to the emergence of the United States from a rather isolated, rural, agrarian country into the leading international, urbanized, industrialized, nation of the modern world. **This course is weighted in calculating GPA.**

## WORLD HISTORY (1011)

Two Semesters Daily: 1 Unit

This is a required course for sophomores.

**Description:** World History is designed to teach the student that present-day situations have evolved from events of the past. A special emphasis will be placed on how contemporary world society has been affected by the past. The development of law and government, the place of religion, and the contribution of philosophy and education over time will be given a proper emphasis. At the conclusion of this course, the student should have an understanding that the heritage of the past is simply the foundation upon which the present operates and the future is being developed. A variety of teaching techniques will be used to accommodate various student needs.

## WORLD HISTORY ADVANCED (1015)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Must be a sophomore or transfer student, (2) a B average in American History Advanced **OR** an A- average in American History, (3) and Teacher approval from current Social Studies teacher.

**Description:** This course meets the World History graduation requirement. It is strongly advised that this course be recommended only for students that expect very rigorous coursework with a heavy emphasis on advanced level writing and cognitive abilities. It is designed to better prepare students for advanced placement and college-level courses. Students in this course should expect a rigorous level of coursework and a commitment to time outside of class used for the development of the understanding of World History. Students will be expected to complete bi-weekly document-based, writing assignments, essays with each test, and a research paper each semester. Students will be expected to have developed advanced study skills, be very skilled in writing, and should also possess advanced analytical and interpretive skills. This course stresses the causes and effects of political, economic, and social events in human development throughout the world with special emphasis on Western Civilization. **This course is weighted in calculating GPA.**

## AMERICAN GOVERNMENT (1001)

Two Semesters Daily: 1 Unit

This is a required course for juniors.

**Description:** American Government is the study of the institutions and political processes that impact public policy. This course is designed to give students the necessary background in government, economics, and the process of socialization to meet their future rights, responsibilities and duties in our society. This course will assess students' understanding of the principles of Missouri and US Government, with a Civics Test to be administered in the spring, which students must pass in order to graduate. Students are also required to take an End of Course Exam, which will count as a minimum of 10% of their final grade.

## AMERICAN GOVERNMENT ADVANCED (1005)

Two Semesters Daily: 1 Unit

**Prerequisites:** (1) Must be a junior or transfer student, (2) a B average in World History Advanced **OR** an A- average in World History, (3) and Teacher approval from their current Social Studies teacher.

**Description:** This course meets the American Government graduation requirement. In this rigorous course, students will be expected to have advanced analytical and writing skills. It is strongly advised that this course be recommended only for students that expect a very rigorous coursework with heavy emphasis on advanced level writing and cognitive abilities. It is designed to better prepare students for AP and college level courses. Students will also be required to have a commitment to completing several advanced writing assignments outside of class. These assignments may include, but are not limited to research completed outside of class as well as outside of class group activities. American Government is the study of the institutions and political processes that impact public policy. This course is designed to give students the necessary background in government, economics, and the process of socialization to meet their future rights, responsibilities and duties in our society. This course will assess students' understanding of the principles of Missouri and US Government, with a Civics Test to be administered in the spring, which students must pass in order to graduate. Students are also required to take an End of Course Exam, which will count as a minimum of 10% of their final grade. **This course is weighted for calculating GPA.**

## TRC NATIONAL AND STATE GOVERNMENT (1160)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Must be a senior or transfer student, (2) 18 on the Writing/English subtests of the ACT **OR** qualifying score on the TRC Guided Self-Placement Questionnaire". (3) and open to students who have taken the Government EOC and completed 1 credit of Government **OR** have completed 3 credits of Social Studies classes.

**Description:** The course is a survey of the federal government and the political system of the United States through its organization and function from colonial institutions through its present-day powerful development. Students will be assessed over learning outcomes including an understanding of constitutional underpinnings, political beliefs and behaviors, political parties, interest groups, the mass media, institutions of the national government, civil rights and liberties, and public policy. Students are expected to have good reading and writing skills, along with a willingness to commit the time necessary to be successful in the course. Emphasis is placed on critical thinking, where students will be tasked with taking an active role in-class discussion and simulations, as well as reviewing supplemental sources and writing about them. **This course is weighted in calculating GPA. Students must choose between TRC Government and AP Government. They may not take both courses.**

## ADVANCED PLACEMENT U.S. GOV. & POLITICS (1092) 2ND SM ONLY

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

One Semester Daily: 0.5 Unit

**Prerequisites:** (1) Must be a senior or transfer student, (2) A in American Government or B in Advanced American Government, (3) open to students who have taken the Government EOC and completed 1 credit of Government **OR** have completed 3 credits of Social Studies classes, and (4) approval of the AP Government instructor.

**Description:** This course is designed to prepare students for the AP U.S. Government & Politics Exam, which can earn students college credit. AP U.S. Government & Politics includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples—Constitutional Underpinnings of the U.S. Government; Political Beliefs and Behaviors; Political Parties, Interest Groups, and the Mass Media; Institutions of National Government; Public Policy; and Civil Rights & Civil Liberties. The course is challenging and is meant to be the equivalent of a freshman college course. Students are expected to have good reading and writing skills, along with a willingness to commit the time necessary to be successful in the course. Emphasis is placed on critical thinking, where students will be tasked with taking an active role in-class discussion and simulations, as well as reviewing supplemental sources and writing about them. Students will be required to complete a summer project that is due on the first day of school. Any student who does not take the AP Exam will be required to take a similar exam the same day as the national exam, which will comprise 20% of that student's second-semester grade. **This course is double-weighted in calculating GPA. Students must choose between TRC Government and AP Government. They may not take both courses.**

## TRC AMERICAN HISTORY TO 1877 (1150)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Must be a junior or senior, (2) 18 on the Writing/English subtests of the ACT **OR** qualifying score on the TRC Guided Self-Placement Questionnaire" (3) Juniors must have earned a B- in World History Advanced or an A- in World History, and (4) Social Studies Department approval.

**Description:** This course requires students to possess very strong reading comprehension skills as well as a strong work ethic to include, but are not limited to a commitment of time to prepare outside of class. As expected by Three Rivers College, this course will be evaluated by exams covering multiple chapters and quizzes. American History to 1877 is an in depth study of American civilization to reconstruction. As required by Three Rivers College, students will complete several online essays using primary sources via Blackboard. The final exam will be comprehensive, which will include an online essay and an in-class comprehensive exam. Political, economic, social, and cultural factors that made America a world leader will be studied. Students completing American History to 1877 will earn both high school credit and 3 hours of credit from Three Rivers College. **This course is weighted in calculating GPA. Students must choose between TRC History and AP History. They may not take both courses.**

## TRC AMERICAN HISTORY SINCE 1877 (1152)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Must be a junior or senior, (2) 18 on the Writing/English subtests of the ACT **OR** qualifying score on the TRC Guided Self-Placement Questionnaire". (3) Juniors must have earned a B- in World History Advanced or an A- in World History, and (4) Social Studies Department approval.

**Description:** A general survey of the history of the United States from the period of the growth of big business following the Civil War to the present day, emphasizing political, economic, social, and cultural factors in the growth of the United States. As required by Three Rivers College, students will complete several online essays using primary sources via Blackboard. The final exam will be comprehensive, which will include an online essay and an in-class comprehensive exam. Political, economic, social, and cultural factors that made America a world leader will be studied. Students completing American History Since 1877 will earn both high school credit and 3 hours of credit from Three Rivers College. **This course is weighted in calculating GPA. This course is weighted in calculating GPA. Students must choose between TRC History and AP History. They may not take both courses.**

## ADVANCED PLACEMENT U.S. HISTORY (1170)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

**Prerequisites:** Open to Juniors and Seniors and must receive Social Studies Department approval.

**Description:** This course is open to any college-bound Senior and is designed to prepare students for the AP – US History Exam. AP U.S. History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two-semester survey of American History from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation or original documents, and historiography. Any student who does not take the AP Exam will be required to take a similar exam on the same day or as a final, which will comprise 20% of that student's second-semester grade. **This course is double-weighted in calculating GPA. Students must choose between TRC History and AP History. They may not take both courses.**

## TRC WORLD CIVILIZATION TO THE RENAISSANCE (1155)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Must be a junior or senior, (2) 18 on the Writing/English subtests of the ACT OR qualifying score on the TRC Guided Self-Placement Questionnaire". (3) Juniors must have earned a B- in World History Advanced or an A- in World History, and (4) Social Studies Department approval.

**Description:** This course requires students to possess very strong reading comprehension skills as well as a strong work ethic to include, but are not limited to a commitment of time to prepare outside of class. As expected by Three Rivers College, this course will be evaluated by exams covering multiple chapters and quizzes. As required by Three Rivers College, students will complete several online essays using primary sources via Blackboard. The final exam will be comprehensive and will include an online essay as well as an in class exam. This course is designed to provide the student with the essential information relating to history of human civilization, how civilizations form, how they develop and how they decline, and possibly, cease to exist. In the process of this, the student will be able to demonstrate a level of competency relating to specific features of the civilizations, both those that rose to dominance and those that functioned in a less prominent role that have influenced humanity, past and present. Students, completing American History to 1877, will earn both high school credit and 3 hours of credit from Three Rivers College. **This course is weighted in calculating GPA.**

## TRC WORLD CIVILIZATION SINCE THE RENAISSANCE (1165)

One Semester Daily: .5 Unit

**Prerequisites:** (1) Must be a junior or senior, (2) 18 on the Writing/English subtests of the ACT OR qualifying score on the TRC Guided Self-Placement Questionnaire", (3) Juniors must have earned a B- in World History Advanced or an A- in World History, and (4) Social Studies Department approval.

**Description:** This course requires students to possess very strong reading comprehension skills as well as a strong work ethic to include, but are not limited to a commitment of time to prepare outside of class. As expected by Three Rivers College, this course will be evaluated by exams covering multiple chapters and quizzes. As required by Three Rivers College, students will complete several online essays using primary sources via Blackboard. The final exam will be comprehensive, which will include an online essay and an in-class comprehensive exam. This course is designed to provide the student with the essential information relating to history of human civilization, how civilizations form, how they develop and how they decline, and possibly, cease to exist. In the process of this, the student will be able to demonstrate a level of competency relating to specific features of the civilizations, both those that rose to dominance and those that functioned in a less prominent role that have influenced humanity, past and present. Students, completing American History to 1877, will earn both high school credit and 3 hours of credit from Three Rivers College. This course is weighted in calculating GPA.

## CRIMINAL JUSTICE (1130)

One Semester Daily: .5 Unit

Open to Juniors and Seniors.

**Prerequisites:** (1) Open to Juniors and Seniors who have passed American History, World History, & American Government or (2) are currently enrolled in American Government.

**Description:** This Social Studies elective course will offer a variety of topics including law enforcement, court procedures, criminal investigations, police administration, and constitutional law. The history of law, crimes, and justice will be examined. The course is highly recommended for anyone who plans to major in any criminal justice or police science program in college. Homework, reading, and outside-of-class research will be completed during this course.

## PSYCHOLOGY (1050)

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** Psychology is the science that deals with the behavior and thinking of an organism. Psychology is a social science that employs the scientific method in trying to explain how and why people behave the way they do. In addition, it seeks to predict certain kinds of behavior and offers suggestions as to how to control undesirable behavior. A study of psychology will help the student to learn the correct causes of behavior. It will make the individual more scientific in understanding behavior. The course will assist the student in selecting a future career and help achieve a better understanding of him/her.

## SOCIOLOGY (1060)

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** All human beings are social. To be social is to interact, to participate in group life. All people have basic needs and problems. Sociology investigates group interaction in solving these needs and wants. Human relations can be improved by studying social change, our cultural heritage, and the cultures of other people.

## CONTEMPORARY ISSUES (1142)

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** This Social Studies elective course is designed to develop students' understanding of current events and issues that directly or indirectly affect their daily lives. A current weekly news magazine is used as a text for topics. Additional information will be developed and made available on subjects of interest not covered by news magazines. The goal of this course is to allow students to do research, formulate opinions and discuss current issues of interest. Grading and evaluation is based on quizzes over facts in the news, independent research, and opinion papers.

## A MULTICULTURAL WORLD (1065)

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors. Note: Freshmen as space permits

**Description:** The United States is a diverse nation, yet the voices of her people are not always heard, the contributions of her cultures are not always acknowledged, and the experiences of her past are not always recognized. In this course, students will explore cultures, identify ancestral roots, learn about American immigration, study minority group experiences, and unite in a celebration of differences and similarities. This is an elective course.

## INTRO TO ECONOMICS (9917)

One Semester Daily: .5 Unit

Open to all students.

**Prerequisites:** Passed Algebra I or enrolled concurrently

**Description:** An analysis of the economy as a whole. This class will introduce students to the basic underlying concepts that we use to understand and predict our economy: including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

## **US FOREIGN POLICY (1061)**

One Semester Daily: 0.5 Unit

Open to Juniors, and Seniors

**Prerequisites:** Passed American Government or enrolled concurrently

**Description:** This course allows students to step into the roles of decision-makers on the U.S. National Security Council. In this course, students will participate in dynamic simulations to see foreign policy making and negotiation in action. Students will also analyze case studies covering important diplomatic issues based on issues reverberating in the news today. With an emphasis on problem-based learning, this course will help students gain knowledge, build skills, and broaden perspectives as they become informed and active citizens.

**Other details:**

This would be a semester-long course, and could be scheduled opposite TRCC Gov or AP Gov. It is a great extension of Government concepts as we do not have time to cover foreign policy during American Government. Due to the complexity of the issues, it would best be geared toward those who are currently or have already taken the American Government course. Exceptions could be made for students in lower grade advanced social studies classes with teacher recommendation.

## FINE ARTS

1 UNIT OF FINE ART CREDIT IS REQUIRED TO GRADUATE

### **DRAMA I: (0121)**

One Semester Daily: .5 Unit (Fine Art Credit)

Open to all students.

**Description:** An exploration of the history of theater from its beginnings into the modern age, and the fundamentals placed on acting for the stage. This is not a performance course.

### **DRAMA II: (0126)**

One Semester Daily: .5 Unit (Fine Art Credit)

**Prerequisite:** Drama I

Open to all students.

**Description:** A complete look at the actor as an individual and as a member of an ensemble. Emphasis will be placed on emotion, blocking, characterization, and memorization. This is a performance course, so students will be expected to perform in the class.

### **DRAMA III: (0127)**

One Semester Daily: .5 Unit (Fine Art Credit)

**Prerequisites:** Drama I & II

Open to Sophomores, Juniors, and Seniors.

**Description:** A peek into the mind of a theatre operator. This course will navigate the various roles encountered on and off the stage. There will be acting, backstage roles, and directing. This is a performance course, so students will be expected to perform in the class.

### **INTRO TO ART (3011)**

One Semester Daily: .5 Unit

Open to Freshmen, Sophomores, and Juniors. Open to Seniors still needing a FA credit.

**Description:** Intro to Art is an introductory course in the visual arts. This course is for students to become familiar with a variety of art mediums and methods including, but not limited to drawing, painting, sculpture, and printmaking. This-program utilizes components of history, production, aesthetics and criticism/self-reflection. We will learn the language of art (design elements and principles) while we explore many artists, styles and media.

### **INVESTIGATING ART (3005)**

One Semester Daily: .5 Unit

Open to Freshmen, Sophomores, and Juniors. Open to Seniors still needing a FA credit.

**Description:** Students will explore drawing, painting, design, and sculpture/ceramics. Students will work in two-dimensional and three-dimensional media incorporating the elements and principles of art.

### **ART II (3020)**

Two Semesters Daily: 1 Unit

**Prerequisites:** 1 unit of art with a B- or above with teacher approval.

Open to Sophomores, Juniors, and Seniors.

**Description:** Students will build a higher level of ability in drawing, painting, design, and sculpture/ceramics. This course is designed for the student wanting to develop their talent to a higher level of critical thinking.

### ART III (3030)

Two Semesters Daily: 1 Unit

**Prerequisites:** By permission of the instructor along with a B- or above in Art II, 2 units of credit are needed. Open to Juniors and Seniors.

**Description:** This course is designed for the accelerated student who plans to major in art at a post-secondary level or plans a career in an art related field. For a majority of the class, each student will develop creative ideas independently. A strong work ethic and time management is necessary to be successful in this class. Students will be taught how to write and speak about their own art as well. Periodic class critiques and the maintenance of a sketchbook and portfolio are required. This an art education program utilizing all four components of history, production, aesthetics and criticism/self-reflection.

### AP ART (3260)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors.

**Prerequisites:** By permission of instructor along with a B- or above Art II or Art III.

**Description:** Through studio practice, application of design concepts, and informed decision-making, students will assemble a body of artwork that demonstrates a high level of quality and growth overtime of content, technique, and process. For a variety of concepts and approaches to the drawing, 2-D design, or 3-D design portfolios where students will demonstrate a range of abilities and problem-solving, the elements and principles of design. Specific mediums, art techniques, and content, look at assignments in the Course Overview for weeks 1-36. Students will develop mastery in concept, composition, and execution of Drawing, 2-D design, or 3-D design. Students will address the two components in their portfolios: quality and sustained investigation. Students will submit this body of work to the College Board for grading possible college credit. **This course is double-weighted in calculating GPA.**

### AP Art History (3045)

**Upon completion of this course, students will be required to take the district-funded AP Exam.**

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors.

**Prerequisites:** By verification of instructor and Currently have a B or higher in English course & B in World History.

**Description:** AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis. **This course is double-weighted in calculating GPA.**

### DRAWING & PAINTING (3025)

One Semester Daily: .5 Unit

**Prerequisites:** Passing Intro to Art or Investigations in Art with a B- or higher and teacher recommendation. Open to Sophomores, Juniors, and Seniors.

**Description:** Students in this class will explore different painting and drawing styles. They will be required to keep a sketchbook and students need to be aware that outside purchases may be necessary.

**SCULPTURE (3035)**

One Semester Daily: .5 Unit

**Prerequisites:** Passing Intro to Art or Investigations in Art with a B- or higher and teacher recommendation. Open to Sophomores, Juniors, and Seniors.

**Description:** Students in this class will create three-dimensional sculptures using clay, wire, and other materials. They will be required to keep a sketchbook and students need to be aware that outside purchases may be necessary.

**SCULPTURE II (3034)**

One Semester Daily: .5 Unit

**Prerequisites:** Passing Intro to Art or Investigations in Art with a B- or higher, Passing Sculpture with a B- or higher, & teacher recommendation.

Open to Juniors, and Seniors.

**Description:** This is an extension of the introductory Sculpture class. Students will learn to solve problems as they communicate with the Elements and Principles of Art and Design. They will create three-dimensional-sculptures using clay, wire, cardboard, paper mache and other materials. They will be required to keep a sketchbook and students will need to be aware that outside purchases may be necessary.

**PIT PERCUSSION (6017)**

One Semester Daily (Fall Semester Only) .5 Unit

**PREREQUISITE:** Must have been in band grades 7-8, permission/placement of the instructor, and complete a playing audition the prior spring.

**DESCRIPTION:** Pit Percussion is an auditioned percussion group for students placed on a mallet instrument, piano, timpani, or an auxiliary percussion instrument that competes during marching band season and plays concert music at the conclusion of marching season. Students in Pit Percussion will attend three weeks of summer marching band practice, all marching contests, all home football games, and the winter concert.

**BATTERY PERCUSSION (6018)**

One Semester Daily (Fall Semester Only) .5 Unit

**PREREQUISITE:** Must have been in band grades 7-8, permission/placement of the instructor, and complete a playing audition the prior spring.

**DESCRIPTION:** Battery Percussion is an auditioned percussion group for students placed on marching snare drum, bass drum, or tenors that competes during marching band season and plays concert music at the conclusion of marching band season. Students in Battery Percussion will attend three weeks of summer marching band practice, all marching contests, all home football games, and the winter concert.

**CONCERT BAND PERCUSSION (6015)**

One Semester Daily (Spring Semester Only) .5 Unit

**PREREQUISITE:** Must have been in band grades 7-8, completed either pit or battery percussion the prior fall semester, and permission/placement of the instructor.

**DESCRIPTION:** Concert Band Percussion is a percussion group for the beginning - intermediate level percussionist that performs grade three to grade four music. Attendance is mandatory for all performances and special rehearsals.

### **WIND ENSEMBLE PERCUSSION (6016)**

One Semester Daily (Spring Semester Only) .5 Unit

**PREREQUISITE:** Must have been in band grades 7-8, completed either pit or battery percussion the prior fall semester, and permission/placement of the instructor.

**DESCRIPTION:** Wind Ensemble Percussion is an auditioned percussion group for the intermediate - advanced level percussionist that performs grade three to grade five music. Attendance is required for all performances and special rehearsals.

### **WIND ENSEMBLE (6029)**

Two Semesters Daily: 1 Unit

**PREREQUISITE:** Must have been in band in grades 7-8, permission of the instructor, and complete a playing audition.

*Open to all students.*

**DESCRIPTION:** Wind Ensemble is an auditioned ensemble that competes as a marching band in the fall semester and plays concert band music in the spring semester. Students in Wind Ensemble will attend: two weeks of summer marching band practice (color guard and marching percussion will attend three weeks of summer practice), after-school practices, marching contests, and all home football games. Wind Ensemble will perform grade three to grade five concert music and will participate in three band concerts throughout the year. Attendance to all required performances is mandatory for students to receive full credit in the class. Enrollment in class is by audition only.

### **CONCERT BAND (6032)**

Two Semesters Daily: 1 Unit

**PREREQUISITE:** (1) Must have been in band in grades 7-8, (2) obtain permission of the instructor, and (3) complete a playing audition.

*Open to all students.*

**DESCRIPTION:** Concert band is an auditioned band that competes as a marching band in the fall semester and plays concert band music in the spring semester. Students in Concert Band will attend two weeks of summer marching band practice (color guard and marching percussion will attend three weeks of summer practice), all marching contests, all home football games. Concert band will perform grade three to grade four music and will participate in three band concerts per year. Attendance to all required performances is mandatory for students to receive full credit in the class. Enrollment in class is by audition only.

### **STUDIO JAZZ BAND (6075)**

Two Semesters Daily: 1 Unit

**PREREQUISITE:** (1) Students must be enrolled in Wind Ensemble or Concert Band, (2) obtain permission of the instructor, and (3) complete a playing audition.

**DESCRIPTION:** Studio band is a year-long course available by audition only. Through the performance of jazz and contemporary music, students will study current styles, techniques, improvisation and harmony. Basic theory study and individual solo study are integral to the development of this performance group. This course will prepare students for more extensive musical education in college. Students will be expected to perform at several concerts and contests. Attendance to all required performances is mandatory for students to receive full credit in the class. \*\*Must be enrolled in Wind Ensemble or Concert Band to enroll in Studio Jazz Band.

## **STAGE JAZZ BAND (6076)**

One Semester Daily: .5 Unit

**PREREQUISITE:** Students must be enrolled in Wind Ensemble or Concert Band to be eligible for Jazz Band. *Open to all students with instructor's permission.*

**DESCRIPTION:** Stage jazz band is available by audition only and meets during the spring semester. Enrollment in Stage Jazz Band is open to any student who plays a jazz instrument (Saxophone, Trumpet, Trombone, Bass, Piano, Guitar, Drums). Through the performance of jazz and contemporary music, students will study current styles, techniques, improvisation, and harmony. Basic theory study and individual solo study are integral to the development of this performance group. Students will be expected to perform at several concerts and contests. Attendance to all required performances is mandatory for students to receive full credit in the class. **\*\*Must be enrolled in Wind Ensemble or Concert Band to enroll in Stage Jazz Band.**

## **MARCHING BAND COLOR GUARD (6070)**

One Semester Daily: .5 Unit

**PREREQUISITE:** Open to all students by audition only.

**DESCRIPTION:** Marching band color guard is a fall semester class that focuses on spinning flags, rifles, and sabers with the Sho-Me Marching Band. All marching band color guard members must enroll in this course. All students in marching band color guard will attend three weeks of summer marching band practice, after-school practices, marching contests, and all home football games. -During the Spring Semester, all instrumentalists in color guard will transfer to Wind Ensemble or Concert band and non instrumentalist members will transfer to another course of their choosing. Attendance to all required performances is mandatory for students to receive full credit in the class.

## **CONCERT CHOIR (6050)**

Two Semesters Daily: 1 Unit

**PREREQUISITE:** By audition and with the consent of the choral director.

Open to all students.

**DESCRIPTION:** Concert Choir is designed for the vocally talented, musically advanced student. Students are required to participate in festivals, concerts, district events, and district and state contests. The course provides an opportunity for students to further develop their talent in music while continuing to increase their skills in sight-singing, music theory, and competitive performance. Contact: Choral Director

## **CHORALIERS (6080)**

Two Semesters Daily: 1 Unit

**PREREQUISITE:** By audition and with the consent of the choral director.

Open to all students.

**DESCRIPTION:** Choraliers is designed for the vocally talented, musically advanced student. Students are required to participate in festivals, concerts, district events, and district and state contests. The course provides an opportunity for students to further develop their talent in music while continuing to increase their skills in sight-singing, music theory, and competitive performance. Contact: Choral Director

**MUSIC APPRECIATION (6060)**

One Semester Daily: .5 Unit

Open to all students.

**Description:** The purpose of this course is to provide an opportunity for students to learn music history and music theory using a combination of different classroom activities. Students will study music using class lectures, technology (Mac Books), and classroom participation using African hand drums. This course will use pictures, audio, video, and lecture techniques to present students with the opportunity to develop a better understanding of jazz and rock/pop music in American Culture and music in cultures throughout the world.

**GUITAR (6044)**

One Semester Daily: .5 Unit

Open to Freshmen, Sophomores, and Juniors.

**Description:** Students in Guitar will master major, minor, and 7th chords in first position, major and minor scales, and will learn to read guitar music from traditional notation and from tablature. Skills in playing melody (lead) and accompaniment (rhythm) guitar will be developed. Students will also develop skills in playing basic percussion instruments, singing, and playing bass. Students will explore the structure of music as they perform, compose, improvise, and arrange music in a variety of styles. While a limited number of school owned instruments are available, most students will need to provide their own acoustic guitar. They will also be required to purchase necessary method books.

## FOREIGN LANGUAGE

### SPANISH I: (0301)

Two Semesters Daily: 1 Unit

**Prerequisite:** a C- or better in Language Arts.

Open to Freshman, Sophomores, and Juniors.

**Description:** This course will include the study of elementary Spanish conversation, reading, writing and listening exercises, and elementary grammar. Students will gain a basic knowledge of the Spanish culture.

### SPANISH II: (0302)

Two Semesters Daily: 1 Unit

**Prerequisite:** a C- or better in Spanish I and instructor permission

Open to Sophomores, Juniors, and Seniors.

**Description:** This course is a continuation of Spanish I with emphasis on intermediate Spanish conversation, advanced grammar, reading, and writing. There will be a continued study of the Spanish culture.

### SPANISH III: (0303)

Two Semesters Daily: 1 Unit

**Prerequisite:** a B- or better in Spanish II and instructor permission

Open to Juniors and Seniors.

**Description:** This course will provide the student with extensive practice in speaking and reading. Intermediate and some advanced grammar structures needed for further study will be included. Students will be expected to communicate in the target language in oral and written form. Students will engage in several special projects, cultural units, and video presentations.

### AMERICAN SIGN LANGUAGE (9979)

Two Semesters Daily: 1 Unit

Open to Freshman, Sophomores, and Juniors.

**Description:** This course will introduce students to the language and culture of the deaf and hard of hearing. This is an immersion format class. Sign language will be used in class daily. It will focus on language and cultural behaviors, as well as introduce students to the grammar of ASL. Students will gain a basic knowledge of the Deaf culture.

### AMERICAN SIGN LANGUAGE II (9985)

Two Semesters Daily: 1 Unit

**Prerequisite:** Sophomore, Juniors, and Seniors who have taken and passed American Sign Language I

**Description:** This course will continue to develop expressive and receptive skills of American Sign Language. It will include grammar, vocabulary, and cultural awareness.

### AMERICAN SIGN LANGUAGE III(9986)

Two Semesters Daily: 1 Unit

**Prerequisite:** Juniors, and Seniors who have taken and passed American Sign Language I & II

**Description:** This course will continue to develop expressive and receptive language skills with an increased emphasis on complex vocabulary, grammatical structures, numbers, terminology, deaf history, and cultural awareness. This class is Voices OFF focusing on improvements in speed and fluency along with reinforcement of appropriate grammar usage and conversation skills. Students will be encouraged to communicate only in ASL and interact with Deaf people in a variety of situations.

## PHYSICAL EDUCATION AND HEALTH

**1 UNIT OF PHYSICAL EDUCATION AND ½ UNIT OF HEALTH CREDIT IS REQUIRED TO GRADUATE**

### **9TH GRADE PHYSICAL EDUCATION/HEALTH (6110 - BOYS & 6120 - GIRLS)**

Two Semesters Daily: 1 Unit

Open to Freshmen Only

**Description:** P.E./Health is a requirement for all ninth grade students. In this course, students will study units in physical fitness, nutrition, disease control, and human development. Other units of study will involve various team sports and individual lifetime activities as permitted by the school calendar.

### **HEALTH (6090)**

One Semester Daily: .5 Unit

Open to all students.

**Description:** The health course is designed to inform the student of present day discoveries in medicine and drugs; teach the systems of the human body and how they are related, and how good physical and mental health is obtained and the proper steps in developing a healthy body and mind for many years. Students will complete the Butler County approved “Reducing the Risk: Building Skills to Prevent Pregnancy, STD, & HIV”.

### **CARDIOVASCULAR/WEIGHT TRAINING (6114)**

Two Semesters Daily: 1 Unit

**Prerequisite:** P.E. I and coach's recommendation **or** JROTC instructor recommendation. Students may not enroll in double PE courses for the semester.

Open to Sophomore, Juniors, and Seniors.

**Description:** The main emphasis of this course will consist of endurance training supplemented with weight training. The cardiovascular training will include running, biking, and stair climbing with cardio endurance the main objective. The weight training will target general fitness levels and technique.

### **WEIGHT/CARDIOVASCULAR TRAINING (6113)**

Two Semesters Daily: 1 Unit

**Prerequisite:** P.E. I and coach's recommendation **or** JROTC instructor recommendation. Students may not enroll in double PE courses for the semester.

Open to Sophomore, Juniors, and Seniors.

**Description:** The main emphasis of this course will be concerned with developing the student’s muscular system and cardio respiratory system. This goal will be achieved primarily by lifting weights and jogging. Also, plyometric training, nutrition, agility, and flexibility training will be incorporated.

**PERSONAL FINANCE****½ UNIT OF PERSONAL FINANCE CREDIT IS REQUIRED TO GRADUATE****PERSONAL FINANCE (4100)**

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** Understanding and managing personal finances are key to one's future financial success. This course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skill to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and career choices; set personal goals; learn to make wise spending, saving, and credit decisions; and to make effective use of income to achieve personal financial success.

## PRACTICAL ARTS

**1 UNIT OF PRACTICAL ART CREDIT IS REQUIRED TO GRADUATE**

### **AGRICULTURAL SCIENCE I (8201)**

Two Semesters Daily: 1 Unit

Open to Freshmen, Sophomores, Instructor's approval needed for Juniors and Seniors

**Description:** Get a great jump start on your future by enrolling in Ag Science I. Do you like animals? Do you like working with your hands? Do you want to learn to be a leader? This course will teach you to apply what you learn through units in animal science( selection, genetics, breeding, nutrition, and production), leadership, financial record keeping, career development and Ag mechanics skills (wood and metal shop). In addition, you will participate in FFA activities and contests that will allow you to fill up those lines on a scholarship application as a senior! In addition to earning a practical art credit. (CD 016710, CIP 01.0000)

### **AGRICULTURAL SCIENCE II (8202)**

Two Semesters Daily: 1 Unit

**Prerequisite:** Agriculture Science I or a Junior or Senior

Open to Sophomores, Juniors, and Seniors.

**Description:** A course designed for instruction in plant and crop science, soils, entomology, agricultural mechanics emphasis on arc and oxy acetylene welding, career development, leadership, and supervised agricultural experience. (CD 016760, CIP 01.0000)

### **AGRICULTURAL POWER (8241)**

One Semester Daily: .5 Unit

**Prerequisite:** Open to Sophomores who have taken Agricultural Science I, Junior and Seniors

**Description:** This course develops skills in the maintenance, repair, adjustment, and overhaul of small engines. A lab fee may be required. (CD 016751, CIP 01.0201)

### **AGRICULTURAL STRUCTURES (8242)**

One Semester Daily: .5 Unit

**Prerequisite:** Open to Sophomores who have taken Agricultural Science I, Junior and Seniors

**Description:** This course includes electrical wiring, electrical motors, concrete masonry, plumbing and sewage disposal, farm fences, product handling and processing equipment, and farm buildings. The instructor must approve all projects and the materials used must be prepaid. (CD 016720, CIP 01.0201)

### **AGRICULTURAL CONSTRUCTION (8206)**

Spring Semester Daily: .5 Unit

**Prerequisite:** Open to Sophomores who have taken Agricultural Science I, Junior and Seniors

**Description:** This course will provide the student the opportunity to explore three areas of Industrial Technology. This course will offer an introduction to Woodworking, Metal Working, and Small Engine Develops. **Lab work will be limited and a lab fee may be required.** (CD 016751, CIP 01.0201)

### **ANIMAL SCIENCE (8226)**

One Semester Daily: 0.5 Unit

Open to Juniors & Seniors.

**Description:** Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course. (CD 016711, CIP 01.0901)

## **CONSERVATION OF NATURAL RESOURCES (8230)**

Two Semesters Daily: 1 Unit

Open to Juniors & Seniors.

**Description:** This course prepares students for activities in the conservation and/or improvement of natural resources such as oil, water, air, forests, fish and wildlife for economic and recreational purposes. (CD 016759, CIP 03.0101)

## **FLORICULTURE (8223)**

One Semester Daily: 0.5 Unit

Open to Sophomores, Juniors & Seniors.

**Description:** This course includes the production, arrangement and retailing of flowers. It includes fresh, silk, or dried flowers to be used in the design of corsages, wedding bouquets, table flower arrangements, and seasonal holiday decorations. Lab fee may be required. (CD 016763, CIP 01.0601)

## **GREENHOUSE OPERATION (8215)**

One Semester Daily: 0.5 Unit (Spring only)

**Prerequisite:** Ag Science I and Ag Science II or approved by advisor or a B in Science

Open to Juniors and Seniors.

**Description:** This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project. (CD 016765, CIP 01.0601)

## **LANDSCAPING (8220)**

One Semester Daily: 0.5 Unit (Fall only)

**Prerequisite:** Ag Science I and Ag Science II or approved by advisor or a B in Science

Open to all Juniors and Seniors.

**Description:** This course includes the basic techniques of landscape design, landscape construction, installation, and maintenance. (CD 016764, CIP 01.0601)

## **ACCOUNTING I (4040)**

Two Semesters Daily: 1 Unit

Open to all Sophomores, Juniors, and Seniors with a C-average or above in Math.

**Description:** Accounting I is a one-year, beginning accounting class designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. It completes the accounting cycle for a sole proprietorship, partnership, and corporation. It will prepare a student to understand and make wise financial decisions. It will also prepare a student to enter business-related fields and provide a foundation for studying business at the collegiate level. Students should see the counselor or instructor for details about three hours articulated credit with Three Rivers Community College.

## **ACCOUNTING II (4045)**

Two Semesters Daily: 1 Unit

**Prerequisite:** Accounting I and currently maintaining a C average or above in Math.

Open to all Juniors and Seniors.

**Description:** Accounting II is a one-year advanced accounting course that expands on topics learned in Accounting I while adding new topics about management accounting, cost accounting, and financial analysis. It is background and preparation for college business and accounting courses and business majors. Spreadsheet software is used to help streamline business practices. The spreadsheet option features some of the techniques used by businesses to make their financial reporting analysis more efficient. **Students should see the counselor or instructor for details about three hours articulated credit with Three Rivers College.**

## **BUSINESS COMMUNICATION (4077)**

One Semester Daily: .5 Unit

Open to all students.

**Description:** This course provides reinforcement of students' basic language arts skills (composition, grammar, spelling, punctuation, etc) and development of essential competencies for oral and written communication in today's technological workplaces. Emphasis is placed on using the computer to compose and produce accurate and effective documents (including e-mail messages, letters, memos, reports, etc) for personal and professional purposes. Using technology to develop oral communication skills such as making presentations, giving instructions, interviewing, and making reports in an effective manner is reinforced in this course.

## **BANKING AND FINANCIAL SERVICES (4080)**

One Semester Daily: .5 Unit

Open to all students.

**Description:** This course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credit, savings, investments, and budgeting-skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss, and others.

## **BUSINESS AND PERSONAL LAW (4090)**

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content provides basic characteristics of the American system of free enterprise, basic rights of private property, basic elements of contracts, employer-employee relations, landlords, tenants, individual rights, wills and estates, family and juvenile justice law, and community property.

## **BUSINESS TECHNOLOGY (4075)**

Two Semesters Daily: 1 Unit

Open to Sophomores, Juniors and Seniors.

**Description:** This course is designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The course includes the use of technology to develop communication skills, the performance of office procedures tasks (dealing with people, using the telephone, organizing work, and handling other crucial tasks), the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents.

## **COMPUTER APPLICATIONS (4010)**

Two Semesters Daily: 1 Unit

Open to all students.

**Description:** This course is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications. **Students should see the counselor or instructor for details about three hours articulated credit with Three Rivers College.**

## INTRODUCTION TO BUSINESS (4111)

One Semester Daily: .5 Unit

Open to Freshmen, Sophomores and Juniors.

**Description:** This course is designed to introduce students to how business works in today's society and to provide a foundation for other business courses. Content includes business functions such as accounting, management, marketing, and other consumer issues regarding money and money management, banking system and services, government's role in business, and technology in the business world.

## MULTIMEDIA DESKTOP PUBLISHING I/YEARBOOK (9160)

Two Semesters Daily: 1 Unit

Open to Sophomores, Juniors, and Seniors with teacher approval.

**Prerequisite:** Students must have a C- or better in English, be able to attend school events outside of the normal school day, have no major discipline, sign contract, take editing quiz, with teacher approval.

**Description:** Students will work with multimedia software to develop electronic presentations. Students will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.

## MULTIMEDIA DESKTOP PUBLISHING II/YEARBOOK (9164)

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors with teacher approval.

**Prerequisite:** MULTIMEDIA I with a C or better, Students must have a C- or better in English, be able to attend school events outside of the normal school day, have no major discipline, sign contract, take editing quiz, with teacher approval.

**Description:** Students will continue to work with multimedia software to develop electronic presentations. Students will manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.

## WEB DESIGN I (9165)

Two Semesters Daily: 1 Unit

Open to all students.

**Description:** The goal of this class is to give you the knowledge and practical experience of being a Web designer. It will give you an all-around ability to understand web-development as it applies to personal and professional use. Students in this course will create dynamic web pages using HTML and CSS. They will also focus on basics – typography, graphics, and page layout. This class will consist of discussions, Web creation assignments, lab projects, Internet searches, and group work. The final portion of the course will be devoted to creating e-portfolios to display and reflect on coursework. **This is a coding class and the course work is rigorous.**

## WEB DESIGN II (9167)

Two Semesters Daily: 1 Unit

**Prerequisite:** Web Design I with a C or better **and** teacher approval.

**Description:** The goal of this class is to give you the advanced knowledge and practical experience of being a Web designer. It will give you an all-around ability to understand web-development as it applies to personal and professional use. Students in this course will create dynamic web pages using HTML, CSS, and Adobe Web products. They will also focus on basics – typography, graphics, and page layout. Students will also use software to create dynamic, interactive multimedia presentations. This class will consist of discussions, Web assignments, lab projects, Internet searches, and group work. The final portion of the course will be devoted to creating e-portfolios to display and reflect on coursework. **This is an advanced coding class and the course work is rigorous.**

## **INTRODUCTION TO CODING (9155)**

One Semester Daily: .5 Unit

**Prerequisite:** Having passed Pre-Algebra.

Open to all students.

**Description:** This course will introduce the fundamental concepts of computer science computational thinking and problem solving. An introduction to coding using Python will be presented.

## **BUSINESS MANAGEMENT (4112)**

One Semesters Daily: .5 Unit

Open to all students

**Description:** This course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation and government regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales, analysis and inventory control is also introduced.

## **MULTIMEDIA AUDIO/VISUAL (PBTV AND THE BLUFFER) (I-9182 and II-9183)**

Two Semesters Daily: 1 Unit

Open to all students with teacher approval.

**Prerequisite:** Students must have a C- or better in English, be able to attend school events outside of the normal school day, have no major discipline, sign contract, with teacher approval.

**Description:** This is an introductory course that explores the industry of Broadcast/Mass Media. Students learn the basic fundamentals of broadcast and newspaper production, including writing, producing, and computer editing. Students receive basic training in photography and videography techniques using digital technology to create various media for TV and the Internet. Students will be required, but not limited to, recording various school activities (outside of the normal school day), producing and broadcasting weekly announcements, and producing an online news presence

## **BASIC FOOD & NUTRITION (5010)**

One Semester Daily: .5 Unit

Open to Freshman, Sophomores, and Juniors.

**Description:** This orientation-level course includes classroom and laboratory experiences needed to understand basic food principles and nutrition. This course centers around applying overall wellness and nutrition, meeting health and sanitation standards, emphasizing cooperation and teamwork in preparing and serving food, while exploring individual nutritional needs. Attention will be given to the selection and preparation of food and personal health and well-being.

## **ADVANCED FOODS & NUTRITION (5050)**

One Semester Daily: .5 Unit

**Prerequisite:** Basic Foods & Nutrition with a C+ preferred or teacher signature.

Open to Sophomores, Juniors, and Seniors.

**Description:** This advanced level foods course builds on concepts taught in Basic Foods & Nutrition. This course includes classroom and laboratory experiences that addresses advanced food preparation skills while focusing on cooperation and time management. Units of study include eggs, meat, baking, and pasta. These units include food science principles.

## **BAKING & PASTRIES (5015)**

One Semester Daily: .5 Unit

**Prerequisite:** Basic Foods & Nutrition with a C+ preferred or teacher signature.

Open to Sophomores, Juniors, and Seniors

**Description:** This class will introduce students to the basic procedures and processes of baking. This course will focus on different mixing methods including creaming, foaming, and blending. Students will learn the fundamentals of baking including dough, pies, cakes, doughnuts, cookies tarts, and basic items made in the bakery. Topics include baking terminology, tools and equipment use, formula conversation, and functions of ingredients.

## **CULTURES & CUISINES (5060)**

One Semester Daily: .5 Unit

**Prerequisite:** Basic Foods & Nutrition with a C+ preferred or teacher signature.

Open to Sophomores, Juniors, and Seniors

**Description:** This course will give students the opportunity to plan, prepare, and evaluate international foods. Students will study the food customs and cuisines of countries around the world. The content of this course includes a study of the geography, climate, and characteristics of individual countries, and how they affect the cuisine.

## **CHILD DEVELOPMENT, CARE AND GUIDANCE I (5040)**

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** This course's emphasis is on human reproduction (prenatal and postnatal care, parenthood, physical, mental, social, and intellectual growth). The course includes supervision and guidance of children during play and routine activities, as well as observation of children and career/job opportunities in the child care field.

## **CHILD DEVELOPMENT, CARE AND GUIDANCE II (5041)**

One Semester Daily: .5 Unit

**Prerequisite:** Having passed Child Development I with a C or better.

Open to Sophomores, Juniors, and Seniors.

**Description:** The study of the physical, emotional, social and cognitive factors of growth and development of children from birth through adolescence. Topics covered include: principles, stages, and theories of growth and development, responsible parenting, healthy communication, the importance of play, and nutrition. Emphasis is on promoting the well-being and health development of children.

## **FAMILY RELATIONS (5080)**

One Semester Daily: .5 Unit

*Open to Sophomores, Juniors, and Seniors.*

**Description:** Students enrolled in this course will focus on analyzing the significance of the family and nurturing human development throughout the lifespan. Analyzing and identifying factors that build and maintain healthy family relationships will be a main goal of class time. Students will develop communication patterns that affect positive relationships while dealing effectively with family stressors and conflicts. Topics will focus around managing work, family roles and responsibilities.

## **FASHION DESIGN AND MERCHANDISING (5115)**

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, and Seniors.

**Description:** This course brings the exciting world of fashion to life through an in-depth look at how the apparel industry works. Students will see the many ways that they might be better consumers and learn about fashion-related industries. The course includes a look at designer ready-to-wear, private label lines, electronic marketing of fashion goods, a look at future directions and trends in textiles, and apparel manufacturing. Students explore career opportunities related to fashion and apparel. Students will study the elements and principles of design, wardrobe selection, clothing care, garment design, and basic sewing.

## **NUTRITION AND WELLNESS (5070)**

One Semester Daily: .5 Unit

Open to all students.

**Description:** Nutrition and Wellness will prepare individuals to understand the principles and relationship of nutrition to their health and lifelong wellness. Class will focus on individual and family essential nutrient needs through food and patterns of living.

## **HOUSING AND HOME MANAGEMENT (5140)**

One Semester Daily: .5 Unit

Open to Sophomores, Juniors, & Seniors.

**Description:** Students are given time to apply what they learn through projects. The curriculum includes elements and principles of design, color, interior design and decoration, selection and care of furnishings, and housing styles. Graph paper drawings are included, but drawing skills are not needed to be successful in this course.

## **SENIOR SURVIVAL (5031)**

One Semester Daily: .5 Unit

Open to seniors.

**Description:** This course is designed to give students the skills and knowledge necessary for assuming the roles and responsibilities they will encounter as they enter the adult world. Skills are developed to help students manage their needs in the areas of interpersonal relationships, housing, clothing, nutrition, and food. Management of time, money and resources are emphasized in each area allowing students to be successful at home and in the workplace. The focus is on becoming independent, contributing, and responsible participants in family, community and career settings.

**HELP DESK (8552)**

Two Semesters Daily: 1 Unit

Open to all students.

**Prerequisite:** Approval from Help Desk Teacher, good attendance & discipline required; Students will be interviewed.

**Description:** Students will be given a basic computer knowledge test. Students will learn technology based software & hardware skills in order to troubleshoot and assist students and teachers with problems that may occur. In addition to having daily tasks, students will maintain several running projects, including coding activities. Students will also be required to participate in Classroom Performance Tasks that they will all work on together to complete. You will be instructing, creating, curating, and organizing information for faculty and students. In this class you will research and learn how to use educational tools and resources, as well as help to implement them with students & staff. Students need to exhibit the willingness to learn and be able to communicate with their peers and PBHS staff. In addition to these daily roles, students will be learning digital skills that will help themselves and other classmates further understand how technology can help them while in school. Students will be required to help with the deployment of Chromebooks and help with PB Connect Collaboration Day in January.

## JROTC

### USA JROTC (LET I) (9710)

Two Semesters Daily: 1 Unit

**Description:** JROTC Leadership Education Training (LET) I is an introductory, activity-based, course available to all students in ninth through twelfth grade that encourages citizenship, self-discipline, and self-confidence. Students will gain knowledge and develop skills in; citizenship, basic leadership skills, learning style preferences and study skills through self-assessment. The course also includes strategies to help students improve communication skills, enhance social and ethical values, promote character development and physical fitness, and help develop an appreciation of teamwork. They will gain admiration of military service by learning customs, courtesies and history of the armed forces. Enrollment in JROTC in NO WAY requires any obligation for military service. JROTC is enhanced through physical fitness activities, extracurricular and co-curricular activities such as rappelling, orienteering, parades, drill, and physical fitness teams. **Students will wear Army issued uniforms weekly and maintain their appearance within regulatory guidance.** The course may be used for required physical education credit, practical arts credit, or as an elective credit.

**NOTE: The first year of JROTC can be used to fulfill the Physical Education credit required for graduation. The second year can be used to fulfill the Practical Art credit required to graduate. The third and fourth years will be counted as elective credits.**

### USA JROTC (LET II) (9720)

Two Semesters Daily: 1 Unit

**Prerequisite:** Satisfactory progress as a LET I and SAI/AI approval.

**Description:** This course is designed to build on the LET I foundation, and increase the student's role in leadership and responsibility. The Program of Instruction reinforces learning in the following areas: Techniques of Communication; Leadership; Leadership lab; First Aid; Map Reading; American Citizenship. Promotions, awards and decorations are tied to proper discipline and good behavior. **Students will wear Army issued uniforms weekly and maintain their appearance within regulatory guidance.** The course may be used for required physical education credit, practical arts credit, or as an elective credit.

### USA JROTC (LET III) (9730)

Two Semesters Daily: 1 Unit

**Prerequisite:** Satisfactory progress as a LET II and SAI/AI approval.

**Description:** This course requires advanced study in the same areas offered in LET-III. Reinforcement in communication skills, leadership skills, and service to school and community is emphasized. Special emphasis is given to American Military History and Ethics. This course is designed to enhance other high school curriculum by organizing, managing, and disciplining human resources to accomplish real world objectives. **Students will wear Army issued uniforms weekly and maintain their appearance within regulatory guidance.** The course may be used for required physical education credit, practical arts credit, or as an elective credit.

## **USA JROTC (LET IV) (9740)**

Two Semesters Daily: 1 Unit

**Prerequisite:** Satisfactory progress as a LET III and SAI/AI approval.

**Description:** This course is designed to build upon the leadership skills acquired in Let-III. Primary emphasis is placed on the practical application of the cadet's leadership duties and responsibilities within the cadet battalion. The LET IV year is structured to allow students to perform their assigned command or staff duties and act as classroom instructors or assistant instructors for selected academic subjects. Instruction for LET IV will consist of self-paced study, suggested readings, seminars, vignettes, case studies and special assignments. **Students will wear Army issued uniforms weekly and maintain their appearance within regulatory guidance.** The course may be used for required physical education credit, practical arts credit, or as an elective credit.

## **USA JROTC STEM APPLICATIONS(9057)**

Two Semesters Daily: 1 Unit

Open to JROTC LET II, III, or IV Cadets currently enrolled in JROTC

**Prerequisite:** JROTC LET 1 and approval by JROTC instructor

**Description:** This course explores a wide variety of subjects through the lens of understanding and developing a particularly useful, popular, and fun technology. Students will start by learning how unmanned aerial vehicles—drones—are used for a wide variety of purposes, including scientific endeavors, business, and even therapy. They will learn about the basic parts of a drone, learning about its mechanics and engineering. Interacting with real drones and comparing them to flying organisms, such as bats and birds, students will then learn the basic principles of aerodynamics. Robotics is a lab-based application that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Students will then explore other types of unmanned vehicles, including submersibles, and consider legal and ethical questions around this type of technology. Other subjects explored in this course include computer programming and coding, communication, aerial mapping, basic business principles, geometry, and design. Finally, students will apply what they've learned and think about how they would use aerial unmanned vehicles. Students will gain skills in all four STEM areas: science, technology, engineering, and mathematics.

## MARKETING and COOPERATIVE EDUCATION (MCE)

### MARKETING COOPERATIVE EDUCATION I & II - WORK (9051 - I & 9052 - II)

Two Semesters Daily: 1 or 2 Units Open to Juniors and Seniors Only.

**Prerequisite:** teacher recommendation and application the semester before enrollment. Students must also be concurrently enrolled in either Marketing I or Marketing II when attempting Marketing Cooperative Education credit.

**Description:** Marketing Cooperative Education involves a cooperative agreement with the student, school, and local business in which the student/trainee receives credit for his/her work experiences. Students earn credit by working at a business training station typically in the area of marketing. Students who apply and are approved the semester before enrollment will receive assistance finding a job in a training station that matches their interests. LIMITED TIME WILL BE GIVEN AT THE BEGINNING OF THE SEMESTER TO FIND A JOB. One-half unit of credit per semester may be earned for 180 hours of work (9067) and 1 full unit of credit per semester may be earned for 360 hours of work (9066). A student/trainee must be 16 years old and classified as a junior or a senior. Students having poor attendance, grades, or discipline problems will not be considered until their school-record improves. If attempting Marketing Cooperative Education credit, students MUST be enrolled in Marketing I or Marketing II. In the course, some time will be spent studying about the specific area in which the student is training. The program coordinator closely monitors the student's progress in school and on the job.

### INTRODUCTION TO MARKETING (9015)

One Semester Daily: .5 Unit

Open to all students.

**Description:** Introduction to Marketing is a course in which students learn how our free enterprise system operates; the role manufacturers, wholesalers, and retailers play in getting goods and services to consumers; and the basics of marketing.

### MARKETING I - MCE I (9013)

Two Semesters Daily: 1 Unit

Open to Juniors and Seniors Only.

**Description:** Marketing I is a course in which students learn about the functions of Marketing: market planning, pricing, promotion, product/service management, channel management, and marketing research. As beginning workers, students are also given basic information about ethics, communications, human relations, Federal and State Income Taxes and Social Security. Students need not be enrolled in marketing cooperative education (9051 or 9052) to take the MARKETING I course.

### MARKETING II - MCE II (9020)

Two Semesters Daily: 1 Unit

**Prerequisite:** Marketing 1 (9012)

Open to Juniors and Seniors Only.

**Description:** In this course, students learn how to start their own businesses (getting the idea, securing financing, selecting a suitable location, finding and purchasing supplies and equipment, to hiring and training personnel). A computer simulation is used which allows students to make business decisions and view their results. The students compete against each other to earn the highest profit for their business. students need not be enrolled in Marketing Cooperative Education (9051 or 9052) to take Marketing II.

## Other Electives

### **SPEECH: (0100)**

One Semester Daily: .5 Unit (Elective Credit)

Open to all students.

**Description:** The purpose of this course is to help beginning speakers lessen their stage fright, to design a speech in the correct form, and to deliver speeches with confidence and ease. Students will present speeches using effective delivery, supporting evidence, and practical applications of public speaking.

### **LEADERSHIP (9969)**

Two Semesters Daily: 1 Unit (Practical Art OR Elective Credit)

**Prerequisite:** Student who has submitted an application, participated in an interview and received STUCO head advisor's approval. Students should be willing to join STUCO for the school year in which the student is enrolled in the course.

Open to all students.

**Description:** Designed to promote school spirit, community involvement, and school leadership. Reading outside of class may be required. Working independently, time management, team building, and other related topics are covered in the class. Students enrolled in the course will apply these skills in dealing with peers, school administration, and the community.

### **SCHOOL STORE (THE STABLE) (4205)**

Two Semesters Daily: 1 Unit (Practical Art OR Elective Credit)

**Prerequisites:** Sophomore, Junior or Senior who passes an interview process and attends an Orientation prior to the start of the school year

**Description:** Students will learn about cost and profit through analysis of real records, practice customer service by waiting on customers, and demonstrate how to make change through hands-on experience. Additionally, students will master merchandise management: ordering, receiving and inventorying. Students will also learn accounting, sales tax, and the importance of advertising by analyzing real records. A strong work ethic, accountability, self-reflection, and time management are necessary to be successful in this course.

### **A+ TUTORING (9301)**

One Semester Daily: .5 Unit (Pass/Fail Only)

**Prerequisite:** Enrollment in A+ Schools Program (Student MUST have at least 95% attendance and 6.875 GPA) and A+ Coordinator recommendation.

Open to Sophomores, Juniors & Seniors.

**Description:** Students participating in A+ Schools Program shall enroll in this course to fulfill their tutoring requirement. Students are allowed to TUTOR only. Students may not help the teacher with grading, copying, supervision or any other duties. Students should see the A+ coordinator for details.

**CADET TEACHING (9310)**

One Semester Daily: .5 Unit

**Prerequisite:** Open to Juniors and Seniors. Students must PASS A+ Tutoring (9307), join FTA, and have at least 95% attendance, 6.875 GPA, and A+ Coordinator recommendation.

**Description:** This is a course designed to give students interested in the teaching profession hands-on experience. Students are provided with the opportunity to interact with elementary teachers and their students in a classroom environment.

**KINESIOLOGY (8555)**

One Semester Daily: .5 Unit

**Prerequisite:** Open to Juniors or Seniors Only. Physical Education I, Health, Biology, and/or Anatomy and Physiology. Students must have approval from their science teacher(s), too.

**Description:** The primary focus of this course will include, but not be limited to, the following topics: Sports Medicine Team, organization and administration, injury prevention, physical training and conditioning techniques, nutritional considerations, protective sports equipment, psychology of sports injury/illness, mechanisms and characteristics of sports trauma, tissue response to injury, human anatomy, kinesiology, CPR/bloodborne pathogens, injury assessment and evaluation, environmental concerns, basic taping and bandaging, basic exercise rehabilitation, drug use and abuse in sports, and skin conditions.

## POPLAR BLUFF TECHNICAL CAREER CENTER

The Poplar Bluff Technical Career Center offers career/technical programs for juniors and seniors in a variety of career pathways. The programs are generally two years in duration and prepare students for entry-level careers or higher education. Resource staff is on hand to assist students with career counseling, application to higher education institutions, obtaining scholarships/financial aid and job placement. Students successfully completing PBTCC programs have the opportunity to earn college credit free of charge for coursework completed while at PBTCC.

Students must be 16 years of age prior to the first day of attendance of the school year for which they wish to enroll. Applications for enrollment are accepted as individual courses begin the enrollment process. PBTCC enrollment applications can be obtained from your counselor. Attendance, discipline history and grade point average are considered for placement in a PBTCC program. The PBTCC will review prospective students' transcripts to determine if "Prerequisites" are met. While a student could be enrolled without having met "Recommended Prerequisites", priority will be given to those students having met any and/or all "Recommended Prerequisites".

Due to the nature of study of these programs, students are not admitted mid-year or mid-program to a PBTCC program of study. Careful schedule planning on the student's part, beginning as early as the ninth grade, is essential to ensure all graduation requirements can be met with the inclusion of a PBTCC one or two-year program of study. **Upon acceptance to a PBTCC program students are expected to complete the full course of study. Schedule changes mid-year or mid-program may not be permitted**

### **AUTOMOTIVE COLLISION REPAIR (I-8070; II-8080)**

2 Year Program (*Industrial & Engineering Technology pathway*) -*Transportation, Distribution and Logistics cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Agricultural Power I and/or Agricultural Structures.

**Description:** This course is for individuals planning to enter in the profession of Auto Collision Repair. This course will provide the training necessary to succeed in the field of Auto Body repairs at the apprentice level in the specific areas of tool usage, metal preparation, color selection, paint refinishing, conventional and unibody frame repair. Students will train on the most updated equipment and tools in the profession of Auto Collision repair. Classroom instruction will involve technical information while the shop experience will be the practical application of that technical information. Students will have the opportunity to study design, construction, and specialized operations of automobiles.

### **AUTOMOTIVE SERVICE TECHNOLOGY (I-8030; II-8040)**

2 Year Program (*Industrial & Engineering Technology pathway*) -*Transportation, Distribution and Logistics cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Agricultural Power I and/or Agricultural Structures.

**Description:** The course is for individuals planning to enter the Auto Mechanics profession. The course will provide training necessary to enter and succeed in the field of auto repair, maintenance, and service. Students will train on the most up-to-date test equipment and tools in the profession of Auto Mechanics. Classroom instruction will involve technical information while the shop experience will be the practical application of that technical information. Students will have the opportunity to study design, construction, and operation of automobile unit

## **BUILDING TRADES (I-8010; II-8020)**

2 Year Program (*Industrial & Engineering Technology pathway*) - *Architecture and Construction cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Agricultural Power I and/or Agricultural Structures.

**Description:** The Building Trades program is designed to prepare students for entry-level jobs in the building trades. The program concentrates on residential construction; designing and building a family dwelling is the primary learning vehicle used. Home maintenance, repair, and alteration also are stressed. The course includes training in the fundamentals of hand tools and power equipment; and instruction in and familiarization of concrete, electrical wiring, construction costs and estimating, site work, building permits and landscaping.

## **COMPUTER GRAPHICS AND PRINTING TECHNOLOGY (I-8090, II-8100)**

2 Year Program (*Arts & Communication pathway*) - *Arts, A/V Technology and Communications cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Computer Applications with a grade of C or higher AND Introduction to Art with a grade of C or higher or with Art teacher recommendation.

**Description:** This program is designed to provide students with a strong working knowledge of printing and design. Students will gain skills in; digital page layout, illustration, photo editing and manipulation. Student will also learn the basic principles of; design, typography, layout, printing, and basics of web design. Students will understand the following standards and/or demonstrate competency in or with; printing equipment, and main printing processes (lithography, screen printing, vinyl sign production, basic desktop publishing, & Mac operating systems). This class is for students with a strong interest in commercial art, journalism, advertising, web design, multimedia design, printing press operation, t-shirts design and screen printing.

## **COMPUTER MAINTENANCE TECHNOLOGY (I-8050, II-8060)**

2 Year Program (*Business, Management & Technology pathway*) - *Information Technology cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Prerequisites:** Computer Applications with a grade of C or higher AND a grade of C or higher in all math courses completed prior to enrollment.

**Description:** This program of study prepares students to become Comp TIA A+ certified computer repair technicians. The student will learn to build, install, upgrade and maintain personal computers and their peripheral devices in addition to basic networking, installation and configuration of computer software.

## **COSMETOLOGY (8400)**

8 Units of Credit (*Human Services pathway*) - *Human Services cluster*

Meets 7.5 hours per day and requires that students provide their own transportation.

Cosmetology is a 1 Year Program requiring 1220 hours of attendance.

**Prerequisite:** Student must be a senior and must have all graduation required course work (with the exception of electives or practical arts credits) completed prior to enrolling in Cosmetology. Students are required to complete the Cosmetology Program enrollment process and meet Missouri State Board of Cosmetology requirements for a student license (see counselor for additional information).

**Description:** This course is the study of hair and hair care, skin and skin care, nails and nail care, chemistry (as it relates to cosmetology), bacteriology and infection control, State Rules and Regulations of Cosmetology, work ethics, and salon management. At the completion of the course, including the required 1220 hours of attendance, the student is qualified to take the State Board Exam for their Missouri Cosmetology License. This course is a challenging course that requires regular attendance. The student will be in a salon atmosphere providing services to actual customers. This course requires the student to display professionalism, responsibility, maturity and self motivation. Students must be able to take corrective criticism. Students will be responsible for a portion of the cost of their kit (see the Cosmo Information Sheet for more information and details about the Cosmetology program). This sheet is available in the counseling center.

## **COSMETOLOGY - Barbering (8405)**

8 Units of Credit (*Human Services pathway*) - *Human Services cluster*

Meets 7.5 hours per day and requires that students provide their own transportation.

Cosmetology-Barbering is a 1 Year Program requiring 1000 hours of attendance.

**Prerequisite:** Student must be a senior and must have all graduation required course work (with the exception of electives or practical arts credits) completed prior to enrolling in Cosmetology - Barbering. Students are required to complete the Cosmetology- Barbering Program enrollment process and meet the Missouri State Board of Cosmetology requirements for a student license (see a counselor for additional information).

**Description:** This course is the study of hair and hair care, skin and skin care, nails and nail care, chemistry (as it relates to Barbering), bacteriology and infection control, State Rules and Regulations of Cosmetology, work ethics, and salon management. At the completion of the course, including the required 1000 hours of attendance, the student is qualified to take the State Board Exam for their Missouri Barbering License. This course is a challenging course that requires regular attendance. The student will be in a salon atmosphere providing services to actual customers. This course requires the student to display professionalism, responsibility, maturity and self-motivation. Students must be able to take corrective criticism. Students will be responsible for a portion of the cost of their kit (see the Cosmo Information Sheet for more information and details about the Cosmetology-Barbering program). This sheet is available in the counseling center.

## **COSMETOLOGY - Esthetics (8419)**

8 Units of Credit (*Human Services pathway*) - *Human Services cluster*

Meets 7 hours per day and requires that students provide their own transportation.

Cosmetology-Esthetics is a 1 Year Program requiring 750 hours of attendance.

**Prerequisite:** Student must be a senior and must have all graduation required course work (with the exception of electives or practical arts credits) completed prior to enrolling in Cosmetology - Esthetics. Students are required to complete the Cosmetology- Esthetics Program enrollment process and meet the Missouri State Board of Cosmetology requirements for a student license (see a counselor for additional information).

**Description:** This course is the study of skin and skin care, skin and skin treatments, waxing, chemistry (as it relates to esthetics), bacteriology and infection control, State Rules and Regulations of Esthetics, work ethics, and salon management. At the completion of the course, including the required 750 hours of attendance, the student is qualified to take the State Board Exam for their Missouri Esthetics License. This course is a challenging course that requires regular attendance. The student will be in a salon atmosphere providing services to actual customers. This course requires the student to display professionalism, responsibility, maturity and self-motivation. Students must be able to take corrective criticism. Students will be responsible for a portion of the cost of their kit (see the Cosmo Information Sheet for more information and details about the Cosmetology-Esthetics program). Upon completion of the 750 hours of instruction students will have the ability to test and possibly begin working in their field during the 4th quarter. This sheet is available in the counseling center.

## **CULINARY ARTS PROSTART I & II (I-8170; II-8180)**

2 Year Program (*Human Services pathway*) - *Hospitality and Tourism cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Basic FACS course with a grade of C or higher; Basic Food & Nutrition with a grade of C or higher and/or Cultures & Cuisines with a grade of C or higher

**Description:** The Culinary Arts Program at Poplar Bluff Technical Career Center is a course which includes instructional and on-the-job performance. In the first year, each student will study production, service, and cashier techniques. They will also have the opportunity to perform the duties of each workstation in the full service restaurant operated by the program. Each student in the second year will study management techniques. During that time the student will have the opportunity to perform the duties of Kitchen Supervisor, Dining Room Supervisor, and Restaurant Manager in the full service restaurant. Food Service work is the fastest growing job market in the foreseeable future. Food Service operations are generally well designed and well equipped. Working in food service is a team effort and requires working cooperatively with others.

## **HEALTH OCCUPATIONS (8130)**

1 Year Program (*Health Services pathway*) - *Health Science cluster*

3 Units of Credit

Meets 3 Hours Daily Only seniors are eligible to enroll.

**Recommended Prerequisites:** grade of C or higher in all science courses completed prior to enrollment .

Students must pass a criminal background check and not be on the Missouri Employee Disqualification List through the Department of Health and Senior Services.

**Description:** The Health Occupations course is designed to introduce the student who is interested in a career in healthcare to the various choices available. It helps the student determine a career based on their aptitudes and interests.

In the second semester of the program, students will complete a clinical rotation in a long-term care facility. Students will be given the opportunity to complete requirements to test for the Missouri Certified Nurse Assistant Examination. It is necessary to maintain a “C” average for the semester and meet all the class requirements along with the state requirements to be eligible to test. Becoming a C.N.A. prior to graduation is a wonderful opportunity for the high school student. They will have marketable job skills which will allow them to apply for jobs at a wide variety of healthcare facilities. Students may be responsible for a portion of the cost of their equipment and a deposit for the C.N.A. Test (see the Health Occupations Information Sheet for more information and details about the Health Occupations program). This sheet is available in the counseling center.

## **HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION (HVACR) (I-8150; II 8160)**

2 Year Program (*Industrial & Engineering Technology pathway*) -*Architecture and Construction cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Agricultural Power I and/or Agricultural Structures AND a grade of C or higher in all math courses completed prior to enrollment.

**Description:** This course is designed to provide basic skills and technical knowledge in the field of air conditioning, heating, and refrigeration. The practical aspects of refrigeration and air conditioning will be stressed throughout the course program with emphasis on installing, maintaining, repairing, and servicing refrigeration and air conditioning systems.

Comprehensive coverage will be given to electrical systems, controls, and wiring so that the students will have necessary knowledge for entry-level positions in the field of air conditioning, heating, and refrigeration.

## **WELDING AND FABRICATION (I-8110; II-8120)**

2 Year Program (*Industrial & Engineering Technology pathway*) -*Architecture and Construction cluster*

3 Units of Credit per year

Meets 3 Hours Daily

**Recommended Prerequisites:** Agricultural Power I and/or Agricultural Structures AND a grade of “C” or higher in all math courses completed prior to enrollment.

**Description:** Welding is a two year program designed to prepare the student to enter a wide range of occupations, including all phases of Welding and Metal Fabrication. With two years training in Welding, a student should be ready to enter the field of welding as an apprentice. More skills will need to be acquired either through experience or further training for advancement to higher paying jobs. Classroom instruction will focus on technical information, while the shop experience will be practical application.

**PROJECT LEAD THE WAY (PLTW)- Computer Science (I-Essentials- 8066, II-Principles- 8067 III-Computer Science A - 8063, IV- Computer Science Cybersecurity - 8064).**

1 or 2 Year Program (*Business, Management & Technology Pathway*) - *Information Technology Cluster*

1.5 Units of Credit per course (four total and must be taken in order)

Meets 3 Hours Daily

**Prerequisites:** Computer Applications with a grade of C or higher AND a grade of C or higher in all math courses completed prior to enrollment.

**Description:** PLTW Computer Science engages students in real-world activities like creating an online art portal or using automation to process and analyze DNA-sequence data. These projects illustrate how intricately computer science is woven into our society, challenge students to apply computational thinking and logic to solve big problems, and transform students into builders of tech. This program includes multiple one-year courses. **Students may opt to take PLTW Computer Science Principles and Computer Science A as Advanced Placement (AP) courses that are double-weighted in calculating GPA.**

**PROJECT LEAD THE WAY (PLTW)- Computer Integrated Manufacturing (8062).**

1 or 2 Year Program (*Business, Management & Technology Pathway*) - *Industrial & Engineering Technology Cluster*

1.5 Units of Credit per course (Stand Alone Course)

Meets 3 Hours Daily

**Prerequisites:** Computer Applications with a grade of C or higher AND a grade of C or higher in all math courses completed prior to enrollment.

**Description:** PLTW Computer Science engages students in real-world activities like creating an online art portal or using automation to process and analyze DNA-sequence data. The student will understand the deep embedding of computers in manufacturing, through CAD, computer aided drafting, CAM computer aided manufacturing and robotics. These projects illustrate how intricately computer science is woven into our society, challenge students to apply computational thinking and logic to solve big problems, and transform students into builders of tech. This course also involves a great deal of hands on skill such as precision measurement, and setup location. These skills require practice. Therefore students will develop in ability sequentially with completion of the projects making attendance vitally important. This program includes multiple one-year courses.

## GUIDELINES FOR INDEPENDENT STUDY

Classroom independent study is designed to allow a student to take work that is not in the regular curriculum, and is above and beyond any course offered at Poplar Bluff Senior High. Teachers are to have on file in the principal's office an approved DETAILED OUTLINE of the classroom independent study course. A copy of this outline must accompany the application, and a copy will also be given to the student. Students are to be graded through assignments and tests. Proper completion of classroom independent study will give a student one-half unit of credit as an elective. The student may take two classroom independent study courses to be counted toward graduation. Assignments and tests must be turned in to the guidance office upon completion of the course of study.

1. Students must have completed a minimum of 18 units of credit required for graduation and have a "B" average.
2. Students must be signed up no later than two weeks after the beginning of the semester.
3. Courses must be advanced courses not included in our high school curriculum.
4. Teachers must designate the course of study, supervise, and evaluate the students work to determine an appropriate grade.
5. Completion of the independent study course must be done to receive credit. A student may not receive more than one unit of credit toward graduation as an independent study student.
6. An independent study course application must be properly filed in the guidance office.

## PBHS SCHOOL FLEX GUIDELINES FOR JUNIORS

An eligible student who participates in the School Flex Program as a junior shall:

1. Attend school a minimum of two (2) instructional hours per school day within the district of residence.
2. Pursue timely graduation; Pursue course and credit requirements for a diploma.
3. Provide evidence of college enrollment and attendance that is aligned with the student's career academic plan which has been developed by the school district.
4. Refrain from being expelled or suspended while participating in a school flex program.
5. Maintain a ninety-five (95%) percent attendance rate throughout High School career.
6. Must complete an application and be accepted by deadline for schedule changes.
7. Maintain a 10.0 cumulative GPA on an 11.0 scale and complete at least 14 credits before enrolling in the School Flex Program

### COLLEGE/TECHNICAL CAREER EDUCATION

Students in the School Flex Program, attending college or technical career education, will be required to provide proof of enrollment and official final grades for no less than **9 credit hours** to their Counselor at the beginning and end of each semester they are enrolled in the program. Dual-credit classes will count toward this 9 credit hour requirement. HOWEVER, you still must have six credit-bearing hours to remain eligible for MSHSAA activities. Students will be responsible for paying their portion of tuition and fees for courses taken in the School Flex Program. **If a student withdraws from any/all courses while enrolled in this program, it is their responsibility to notify their PBHS Counselor upon doing so. Withdrawal from any/all courses will result in the student being removed from the School Flex Program and enrolled in courses on the PBHS campus and those classes will not be issued credit.**

### ATTENTION:

- Students who participate in School Flex for College **must** have the courses completed at TRC through the Flex Program transcribed as **ELECTIVE** credits on their high school transcript.
- Students who participate in School Flex may not be eligible for an Academic Letter.
- Students who participate in School Flex will not be eligible for Valedictorian or Salutatorian.
- Students who participate in School Flex and move to another district may not be allowed to continue the program at the new district. The School Flex program is determined by each individual district.
- Students who participate in School Flex and want to participate in a MSHSAA regulated activity must meet the independent MSHSAA guidelines in order to compete.

## PBHS SCHOOL FLEX GUIDELINES FOR SENIORS

An eligible student who participates in the School Flex Program shall:

1. Attend school a minimum of two (2) instructional hours per school day within the district of residence.
2. Pursue timely graduation; Pursue course and credit requirements for a diploma.
3. Provide evidence of college or technical career education enrollment and attendance, or proof of employment and labor that is aligned with the student's career academic plan which has been developed by the school district.
4. Refrain from being expelled or suspended while participating in a school flex program.
5. Maintain a ninety-five (95%) percent attendance rate throughout High School career.
6. Must complete an application and be accepted by deadline for schedule changes.

### COLLEGE/TECHNICAL CAREER EDUCATION

Students in the School Flex Program, attending college or technical career education, will be required to provide proof of enrollment and official final grades for no less than **9 credit hours** to their Counselor at the beginning and end of each semester they are enrolled in the program. Students will be responsible for paying their portion of tuition and fees for courses taken in the School Flex Program. **If a student withdraws from any/all courses while enrolled in this program, it is their responsibility to notify their PBHS Counselor upon doing so. Withdrawal from any/all courses will result in the student being removed from the School Flex Program and enrolled in courses on the PBHS campus and those classes will not be issued credit.**

### EMPLOYMENT

Students in the School Flex Program, that are employed, shall provide proof of employment (time sheets/cards and pay stubs), on a monthly basis, that documents at least twenty (20) hours of work time per week to their Counselor. Students do not receive high school credit for the hours that they are working. **If a student should become unemployed while enrolled in this program, it is their responsibility to notify their Counselor immediately. If employment cannot be secured in a timely manner, the student will be removed from the School Flex Program and enrolled in courses on PBHS campus and those classes will not be issued credit.**

### INTERNSHIP

Students in the School Flex Program, that are involved in an Internship with a local agency, shall provide proof, on a monthly basis, of at least twenty (20) hours of attendance at that agency per week to their Counselor. **If a student should be removed from this assigned internship while enrolled in this program, it is their responsibility to notify their Counselor immediately. If another assignment cannot be secured in a timely manner, the student will be removed from the School Flex Program and enrolled in courses on PBHS campus and those classes will not be issued credit.**

### **ATTENTION:**

- Students who participate in School Flex may not be eligible for an Academic Letter.
- Students who participate in School Flex will not be eligible for Valedictorian or Salutatorian.
- Students who participate in School Flex and move to another district may not be allowed to continue the program at the new district. The School Flex program is determined by each individual district.
- Students who participate in School Flex and want to participate in a MSHSAA regulated activity must meet the independent MSHSAA guidelines in order to compete.

**DUAL-CREDIT/DUAL-ENROLLMENT (Student MUST meet with their HS Counselor)**

Students must have a minimum 8.25 cumulative grade point average to be eligible for dual-credit courses, along with the specific course requirements for test scores. **Dual-credit courses are available to juniors and seniors.**

<b>Face-to-Face TRC Courses at PBHS:</b> <b>* denotes course is weighted in GPA</b>	<b>Online TRC Courses at PBHS:</b> <b>* denotes course is weighted in GPA</b>
*ENGL 111 - College Writing, Fall	AGRI 120 - Plant Science
*ENGL 112 - Advanced College Writing, Spring	AGRI 130 - Animal Science
*BIOL 101 - General Biology, Spring (5 cr. hours with lab) <i>(Full year course; fall semester = high school credit only)</i>	AGRI 172 - Integrated Pest Management
*GOVT 121 - National and State Government, Fall	BIOL 231 - Anatomy and Physiology I
*HIST 121 - World Civilizations I, Fall	BIOL 232 - Anatomy and Physiology II
*HIST 122 - World Civilizations II, Spring	CHEM 101 - Introduction to Chemistry
*MATH 163 - College Algebra, Fall and Spring	EDUC 201 - Teaching Profession
*MATH 164 - Trigonometry, Spring	ENGL 222 - World Literature Since 1600
*MATH 171 - Calculus, Spring (5 credit hours with lab) <i>(Full year course; fall semester = high school credit only)</i>	*HIST 111 - American History to 1877
	*HIST 112 - American History Since 1877
	*MATH 161 - Mathematical Reasoning and Modeling
	*MATH 223 - Probability and Statistics
	MUSC 123 - History and Appreciation of Music
	PHYS 101 - Physical Science (5 credit hours with lab)
	PSYC 111 - General Psychology
	SCOM 110 - Public Speaking
	SPAN 101 - Elementary Spanish I
	SPAN 102 - Elementary Spanish II
	SOCI 110 - General Sociology

**NOTE:**

Other college courses taken **during** a student's 7-hour course schedule through on-line methods will be transcribed as an elective, with no weight, but **will be calculated** into the student's GPA. Students enrolled in any college course not listed above **will receive "NC"** or No Credit until the grade is submitted by the student on an approved transcript.

Students must maintain a full 7-hour course schedule. Flex hours are considered part of a student 7-hour schedule. College courses taken during Flex will only be transcribed if turned in by the student and then as electives, with no weight, and **will not be calculated** into a student's GPA.

## **PBHS COLLEGE NOW PROGRAM**

Students must meet with a TRC Academic Advisor on the specific course requirements for their chosen Associate's Degree path. College Now students must then inform their PBHS counselor of their intent on completing an Associate's Degree from Three Rivers College. There is not a set list of dual-credit courses to complete, as each student's course requirements will be tailored to their specific degree plan. College Now students should expect to take courses independently outside of the regular school day and possibly during the summer/winter semesters in order to complete their Associate's Degree by the end of their senior year.