

El Paso Gridley
High School

Course
Description
Guide
2019 - 2020

THE DISTRICT'S EDUCATIONAL ENVIRONMENT WILL NOT DISCRIMINATE AGAINST ANY INDIVIDUAL FOR REASONS OF RACE, RELIGION, COLOR, SEX, NATIONAL ORIGIN, ECONOMIC STATUS OR HANDICAP. THE DISTRICT'S NONDISCRIMINATION POLICY IS POSTED IN THE PRINCIPAL'S OR COUNSELOR'S OFFICE.

Graduation Requirements

	<u>HS</u>	<u>University</u>
English	4	4
Math	3	3
Social Studies	3	3
Science *	2	3
Consumer Ed **	.5	
PE	Required each semester with exceptions of semesters when enrolled in Health or Dr. Ed. or approved waiver	
Music, Art, F. Lang., or Voc. ***	1	2
Health	.5	
Community Service	1 (40 clock hours)	
Electives	Enough to total 25 credits	

*3 credits of lab science required by some universities

** Consumer Ed. = Consumer Ed course taken during junior or senior year

*** 2 credits of foreign language required by some universities

EL PASO GRIDLEY HIGH SCHOOL ACTIVITIES

ACTIVITY

REQUIREMENT

Bass Fishing	None
Color Guard	Try-out
FFA	Enrolled in Ag course
Key Club	None
Junior/Senior Play	Try-out
Mu Alpha Theta (Math Honor Society)	Invitation
National Honor Society	Invitation
Rho Kappa (Social Studies Honor Society)	Invitation
Scholastic Team	Try-out
School Musical	Try-out
Show Choir	Try-out
Student Council	None
Yearbook	None

ATHLETICS

WOMEN

Basketball
Cheerleading (Basketball & Football)
Cross Country
Golf
Softball
Swimming
Track & Field
Volleyball

MEN

Baseball
Basketball
Cross Country
Football
Golf
Swimming
Track & Field
Wrestling

ACADEMIC RECORD

GRADE POINT AVERAGE

Grade Point Average (GPA) is the average of a student's semester grades, starting with the freshman year. El Paso Gridley High School uses a 4.0 scale where A=4, B=3, C=2, D=1, and F=0. Since college applications are generally completed during the fall of the senior year, the GPA at the end of the junior year is very important.

STUDENT TRANSCRIPT

A transcript is a photocopy of a student's cumulative record, which includes: semester courses, grades, credits, attendance, and cumulative GPA.

GRADING SCALE

A	92-100
B	83-91
C	74-82
D	65-73
F	Below 65

Bloomington Area Career Center

Students from El Paso Gridley High School can attend the Bloomington Area Career Center during their junior and/or senior year(s). Successful completion of each class earns three (3) credits per year. Students leave the El Paso Gridley High School campus after fourth hour each day and return at the end of the school day. Some fees are involved in order to attend the BACC. All applications are due by February 15th of the preceding year of attendance. Not all students completing an application will be selected for the BACC programs.

BACC COURSES

AUTOMOTIVE TECHNOLOGY I and II

BARBERING

CONSTRUCTION TRADES I and II

CIVIL ENGINEERING & ARCHITECTURE/CAD

COMPUTER TECHNOLOGY & NETWORKING I and II and III

COSMETOLOGY I and II and III

CRIMINAL JUSTICE & LAW ENFORCEMENT I and II

CULINARY ARTS I and II

GRAPHIC DESIGN & VIDEO PRODUCTION I and II and III

HEALTH CAREERS & MEDICAL TERMINOLOGY

FIRE SCIENCE

NURSE ASSISTANT/ADVANCED CNA

EMT BASIC (SENIORS ONLY)

METALWORKING OCCUPATIONS I and II

Interested students should contact the Guidance Office for more information or consult the BACC website:
www.bloomingtonacc.org

Agriculture

Name of Course: Agricultural Careers and Leadership

Course Length: 1 semester (1st)

Credits Generated: .5

Grade Level: 9-12 (suggested 9)

Prerequisite for Course: None

General Description: This course focuses on introducing the student to a wide variety of agricultural career areas as well as leadership opportunities in agriculture, including FFA, extension, legislative, and public speaking activities.

Name of Course: Introduction to Illinois Agriculture

Course Length: 1 semester (2nd)

Credits Generated: .5

Grade Level: 9-12 (suggested 9)

Prerequisite for Course: None

General Description: This course focuses on exploring the crops, livestock, and agricultural industries common to Illinois.

Name of Course: Conservation Management

Course Length: 1 semester (1st)

Credits Generated: .5

Grade Level: 9-12 (suggested 10)

Prerequisite for Course: None

General Description: This course focuses on the wildlife, forestry, aquatics, and other natural resources common to Illinois.

Name of Course: Agricultural Building Techniques

Course Length: 1 semester (2nd)

Credits Generated: .5

Grade Level: 9-12 (suggested 10) Class limited to 15 students

Prerequisite for Course: None

General Description: This course focuses on construction and building trades skills including concrete, framing, roofing, siding, basic electrical work, and plumbing.

Name of Course: Agribusiness Management

Course Length: 1 semester (1st)

Credits Generated: .5

Grade Level: 10-12 (suggested 11-12)

Prerequisite for Course: None

General Description: This course focuses on the structure of agricultural businesses, type and functions of these businesses, and basic management processes common to agribusiness.

Name of Course: Agriculture Marketing and Economics

Course Length: 1 semester (2nd)

Credits Generated: .5

Grade Level: 10-12 (suggested 11-12)

Prerequisite for Course: None

General Description: This course focuses on commodity marketing, basic economic principles common to agriculture, and typical financial recordkeeping procedures used by many agribusinesses.

Name of Course: Basic Woodworking in Agricultural Construction

Course Length: 1 semester (1st)

Credits Generated: .5

Grade Level: 10-12 (preference given to seniors, then juniors, etc.) Class limited to 15 students.

Prerequisite for Course: Successful completion of two semesters of agriculture.

General Description: This course involves introduction to measurement and woodworking tools, along with numerous small projects to familiarize students with shop tools and safety.

Name of Course: Advanced Woodworking in Agricultural Construction

Course Length: 1 semester (2nd)

Credits Generated: .5

Grade Level: 10-12 (preference given to seniors, then juniors, etc.) Class limited to 15 students.

Prerequisite for Course: Successful completion of Basic Woodworking

General Description: This course involves more complex woodworking projects including use of all shop woodworking tools, finishing techniques, and precise construction methods. Students will construct several projects during the course to take home.

Name of Course: Small Engines

Course Length: 1 semester (1st)

Credits Generated: .5

Grade Level: 10-12 (preference given to seniors, then juniors, etc.) Class limited to 15 students.

Prerequisite for Course: Successful completion of two semesters of agriculture.

General Description: This course involves introduction to small gasoline engines. Course topics include engine theory, part identification, engine troubleshooting, and engine measurement tools. Students may be required to locate and bring in a small engine from home to work on during the second half of this semester long class. This course will include lectures and demonstrations as well as hands on shop work.

Name of Course: Welding and Metalworking

Course Length: 1 semester (2nd)

Credits Generated: .5

Grade Level: 10-12 (preference given to seniors, then juniors, etc.) Class limited to 15 students.

Prerequisite for Course: Successful completion of two semesters of agriculture.

General Description: This course deals with the processes of Arc and Mig welding, along with torch cutting and use, plasma cutting, and metal bending and shaping.

Name of Course: BSAA-Plant & Animal Science

Course Length: Full Year

Credits Generated: 1

Grade Level: 10-12

Prerequisite for Course: Successful completion of Biology

General Description: This advanced agricultural science course is designed to reinforce and extend a student's understanding of sciences by associating basic scientific principles and concepts with relevant applications in agriculture. This course develops student skills through numerous laboratory exercises and experiments, and is recognized as a high school lab science by 4-year schools requiring 3 years of high school science for college admission.

Art

Name of Course: Beginning Art

Course Length: 1 semester

Credit Generated: .5

Grade Level: 9,10,11,12

Prerequisite for Course: None

General Description: This course will focus on a variety of basic art making techniques, processes and media for students to explore. The class will have very specific assignment criteria for students to follow for better understanding of the various techniques introduced in this class. Students will work with various art media including, but not limited to, paint, clay, macramé, and watercolor.

Name of Course: Drawing and Painting

Course Length: 1 semester

Credit Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: This course will focus on different types of drawing and painting materials and techniques. The students will have certain assignment criteria to follow for better understanding of various techniques of color mixing and shading in 2-D art media including, but not limited to, pencil, tempera paint, acrylic paint, charcoal, and watercolor.

Name of Course: Ceramics and Sculpture

Course Length: 1 semester

Credit Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: This course will focus on different types of 3-D art-making materials and techniques. The students will have certain assignment criteria to follow for better understanding of various techniques of sculpting, carving, and wheel throwing. Students will work with various 3-D art media including, but not limited to, low fire clay and glazes, plaster, found objects, and stained glass.

Name of Course: Graphic Design

Course Length: 1 semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: This course will focus on many techniques and projects that will focus on graphic design and computer based art making. Students will learn basic design principles, typography, layouts, and color theory. Students will work with various media including, but not limited to, printmaking, logo design, and yearbook creation.

Name of Course: Advanced Art

Course Length: Full Year

Credit Generated: 1

Grade Level: 10, 11, 12

Prerequisite for Course: C or better in Ceramics & Sculpture, Drawing & Painting, and one of the following: Graphic Design or Beginning Art

General Description: This course will focus on different types of 3-D and 2-D art-making materials and techniques. The class will have less structured assignment criteria and students will have more choices when creating art pieces. Students will work with various 3-D and 2-D art media including, but not limited to, clay, pencil, paint, carving, wheel throwing, and stained glass. All projects will focus on the creation of higher skill level and creative pieces that will be considered for the HOIC Art Festival.

Name of Course: Independent Art

Course Length: Full Year

Credit Generated: 1

Grade Level: 11, 12

Prerequisite for Course: C or better in 3 out of the 4 semester classes and Advanced Art, and teacher approval

General Description: This course will focus on different types of art media and techniques that are chosen primarily by the student with guidance by the instructor. Students will independently experiment, plan, create, and reflect on their artistic investigations. Students are required to complete at least 3 fully developed projects per semester.

Business

Name of Course: Introduction to Business

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: This orientation level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Business computations regarding checkbooks, salaries, sales, credit, interest, taxes, and insurance expenses are studied as well. Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course.

Name of Course: Google and Software Use

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for course: Signed Acceptable Use Policy for Internet Use

General Description: Students will use Google Docs to create documents, spreadsheets, forms, drawings, and presentations online and share them with others for collaboration. This allows educators and students to share their work with others, collaborate on assignments, and save documents online for access at school or at home. In addition, this course will provide the tools students will use throughout their high school careers and beyond. Other topics include safely using the Internet and email, web-based technologies, and will be introduced to network systems, computer ethics, and electronic file management.

Name of Course: Sports and Entertainment Marketing

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 10, 11, 12

Prerequisite for Course: None

General Description: Sports and Entertainment Marketing brings excitement and relevance to a marketing course by offering in-depth coverage of the core marketing standards while presenting the dynamic and interactive world of marketing first-hand through many examples of real-world sports franchises and the entertainment industry of today. This course focuses on professional development, customer service, and technology as the keys to success. Concepts covered include product/service management, promotion, selling, pricing, marketing information management, and distribution. There is additional emphasis on role-play situations, team events, and written events correlated to actual DECA events. By studying Sports and Entertainment Marketing, students actually complete projects that are ready for competition. DECA Prep provides marketing students with winning strategies for competition at all levels.

Name of Course: CS Discoveries

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: CS Discoveries is an introductory course that empowers students to engage with Computer Science as a medium for creativity, communication, problem solving, and fun. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices.

Name of Course: CS Principles

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: CS Discoveries

General Description: Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Computer Science Principles covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms.

Name of Course: Microsoft Office for Business Applications

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 10, 11, 12

Prerequisite for Course: None

General Description: Microsoft Office for Business Applications is an introductory-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. As a student in this course, you will learn the most important topics of Microsoft Office. No prior computer experience is assumed. You will first be presented with an overview of computer concepts. You will learn to use Microsoft Word to create and edit a word document, include graphics and tables, use mail merge. You will learn to use Excel to manage finances, work with formulas, charts and graphics, and develop a professional worksheet. Finally, with Microsoft Access, you will create and repair databases, tables, form letters, mailing labels, and reports.

Name of Course: Business Law

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: This course will orient the student with a basic knowledge of personal and business law. Topics covered include our legal system, the constitution, and the difference between criminal and personal law. The class will also look into the basic legal aspects of contracts, sales, property dealing, labor relations, finance, and running a business. The objectives of this class will be met by using reading, writing, and critical thinking activities.

Name of Course: Consumer Education

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Consumer education prepares students for wise and responsible citizenship. Students should be made to feel the immediacy of learning to spend wisely to help them live more rewardingly now and to build a better future for themselves and others. Students need to explore, think about, and discuss what they want for others, as well as for themselves. Young people today, perhaps as never before, need to understand personal, economic, and social values and to understand and appreciate democratic processes. Consumer education is the development of the individual in the skills, concepts, and understandings required for everyday living to achieve, within the framework of one's own values, maximum utilization of, and satisfaction from, one's resources. In our constantly changing and technologically advancing economy, we are free to exercise choice among many alternatives for both earning and spending. To manage personal economic affairs to gain maximum satisfaction from their income level, students must become economically competent in the use of resources. Both natural and human resources, as well as capital goods, are expended as consumers choose jobs, earn, spend, save, borrow, invest, and plan for the future. **Successful completion of this course satisfies the Consumer Education graduation requirement.**

Name of Course: Accounting 1

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Accounting 1 is a skill level course that is of value to all students pursuing a strong background in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing the basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included. Practice sets with business papers may be used to emphasize actual business records management.

Name of Course: Woodford County CEO Program

Course Length: Full Year

Credits Generated: 2

Grade Level: 11, 12

Prerequisite for Course: Selective admission/application required

General Description: The Woodford County CEO Program allows students in grades 11 and 12 to apply to participate in a program that will give students skills to become entrepreneurs through partnerships with local businesses. Students will work individually and jointly with other students from EPGHS, Eureka High School, and Roanoke-Benson High School. Students will learn multiple business related work skills and will work through real life situations that involve risk management, problem solving, and evaluating business outcomes. Course does require the student to travel.

Family & Consumer Science

Name of Course: Child Development I

Course Length: 1 semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: Child Development 1 addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants. Course content includes conception, prenatal, and infant development. The focus is on research based nurturing and parenting practices and skills, including brain development research, that support positive development of infants. Students will explore opportunities in human services and education-related careers and develop a career portfolio. Students will be exposed to the conditions of pregnancy using the Empathy Belly Simulator.

Name of Course: Child Development II

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: Child Development 1 (passing grade)

General Description: Child Development 2 addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of toddlers, preschoolers, and school-age children. The focus is on research based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio. Students will be exposed to hands-on parenting using the Baby Think It Over Infant Simulators.

Name of Course: Parenting

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 10, 11, 12

Prerequisite for Course: None

General Description: Parenting helps students understand the responsibilities, satisfactions and stresses of parenthood. Course content includes the following: managing and organizing parenting by applying decision-making and goal-setting skills; applying the basic principles of the parenting process; practicing health and safety standards as related to parenting; providing experiences which encourage parents and children to maximize resources; encouraging human relations skills in children; community resource agencies and services; and evaluating impact on parenting of family and career changes.

Name of Course: Nutrition and Culinary Arts 1

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: Nutrition and Culinary Arts I includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompasses: food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts. Students will explore opportunities in the field of nutrition and culinary arts and develop a career portfolio.

Name of Course: Nutrition and Culinary Arts II

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: Nutrition and Culinary Arts I (passing grade)

General Description: This course includes classroom and laboratory experiences needed to broaden upon the culinary principles learned in Nutrition and Culinary Arts I. Course content includes: selection, purchase, preparation, and conservation of food, dietary needs and trends, regional and international cuisine. Students will explore opportunities in the field of nutrition and culinary arts and develop a career portfolio.

Name of Course: Family and Career Relationships

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10

Prerequisite for Course: None

General Description: This course is designed to focus on the knowledge, attitudes, and behaviors needed to participate in positive, caring, and respectful relationships in the family, community, and workplace. This project-based course uses communication, leadership and management methods to develop knowledge and behaviors necessary for individuals to become independent, contributing, and responsible participants in family, community, and career settings. Emphasis is placed on the development of techniques and strategies to assist individuals in responding to situations presented in family relationships and the workplace. The course content includes managing responsibilities, satisfactions and stresses of work and family life; analyzing personal standards, needs, aptitudes and goals; roles and responsibilities of living independently and as a family member; demonstrating goal-setting and decision-making skills; identifying and utilizing community resources; and developing effective relationships to promote communication with others. The course provides students content to identify resources that will assist them in managing life situations.

Name of Course: Interior Design: Residential Space

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Interior Design: Residential Space provides basic knowledge and skills needed to select, acquire, furnish, maintain, and manage residential environments to meet the needs of the occupants. The course includes the application of the interior design elements and principles; selection and care of furnishings, equipment and accessories in relation to trends, personal tastes and characteristics, as well as physical and psychological needs; and evaluating use and care of textiles. Students will apply knowledge learned by completing an interior design housing project.

Name of Course: Fashion Merchandising

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Fashion Merchandising focuses on the application of techniques to understand the cultural, environmental, and psychological aspects of textile products as related to the customer needs. Topics include product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays.

Foreign Language

SUCCESSFUL COMPLETION OF FIRST SEMESTER WITH A PASSING GRADE IS A PREREQUISITE TO CONTINUING ON TO SECOND SEMESTER IN ANY FOREIGN LANGUAGE COURSE.

Name of Course: Spanish 1

Course Length: Full Year

Credits Generated: 1

Grade Level: 9,10,11,12

Prerequisite for Course: None

General Description: In the first year of Spanish, students become acquainted with the sound system of the language and develop an ability to hear and repeat these sounds. Vocabulary and basic grammatical structures and many verb forms are learned. Listening and speaking skills are emphasized as well as reading and writing skills. The culture and countries of the Spanish-speaking world are studied. Games, skits, projects, music, video, as well as Internet all play a role in the learning experience. The focus of the course includes listening, speaking, reading, and writing; an introduction to the basic structures and vocabulary with an emphasis on culture.

Name of Course: Spanish 2

Course Length: Full Year

Credits Generated: 1

Grade Level: 10, 11, 12

Prerequisite for Course: "C" or better in Spanish 1 or consent of the instructor

General Description: The second year of Spanish further develops the listening, comprehension, and speaking skills introduced in the first year. Vocabulary is enriched and more difficult grammatical structures are mastered. Verbs are reviewed and new tenses are learned. Although emphasis is on speaking and listening, reading and writing skills continue to be strengthened. The countries and cultures of the Spanish-speaking world continue to be studied. Games, skits, projects, music, video, as well as Internet all continue to play a role in the learning experience. The focus of the course includes listening, speaking, reading, and writing; a continuation of the basic structures and vocabulary of Spanish, with a continued emphasis on culture.

Name of Course: Spanish 3

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: "C" in Spanish 2 or consent of instructor

General description: Students continue building upon prior Spanish classes. More emphasis is made on using the past tenses and producing advanced writing, reading, speaking, and listening skills. Students will learn by using audio resources, the Internet, creating skits, keeping a journal, doing weekly cultural studies, and through daily class work. More class time is spent in the target language.

Name of Course: Spanish 4

Course Length: Full Year

Credit Generated: 1

Grade Level: 12

Prerequisite for Course: "C" in Spanish 3 or consent of instructor

General Description: Students start to polish their Spanish. Students will take a more in-depth look at grammar by doing projects, producing skits, and/or doing bookwork. Students start to move toward fluency in the language through audio activities, using the Internet, producing short works in Spanish, and /or daily class work. In Spanish 4, more cultural issues are explored regarding both modern day and past Spanish history and culture.

Language Arts

Name of Course: English 1

Course Length: Full Year

Credit Generated: 1

Grade Level: 9

Prerequisite for Course: None

Course Description: This course consists of instruction in composition, reading fiction and informational text, grammar, speaking/listening, research and vocabulary development. Explicit instruction in both comprehension strategies for fiction and informational text will be included. Students will use the writing process to produce informative and argumentative essays. The grammar covered includes areas needed to improve writing such as sentence structure, rules of usage, and organizational structures. Both formal and informal presentations will be included in the development of speaking and listening skills. Students will actively develop their vocabulary with a special emphasis on academic and content vocabulary.

Name of Course: English 2

Course Length: Full Year

Credit Generated: 1

Grade Level: 10

Prerequisite for Course: attempted English 1

Course Description: English 2 will focus on the modes of analytical and reflective writing. Students will review basic speech skills, group interaction and dynamics, while participating in individual presentations and group debates. Semester 1 will include the study of dramatic literature and oral interpretation. Composition study emphasis will focus on audience and purpose. Semester 2 introduces a world literature overview represented by multiple genres. Concentration is on basic skills: reading comprehension, grammar, and vocabulary study. Second semester composition skills feature research and multimedia integration.

Name of Course: Speech

Course Length: 1 Semester

Credit Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

Course Description: Focus of this course is on the fundamentals of communication. Students will learn about the communication process, verbal and nonverbal communication, and public speaking. Students will be required to present an informative, demonstrative, and persuasive speech. Impromptu speaking will also be required. Methods of research and organization of ideas will be developed and used within the course. Students will incorporate technology through research and visual presentations using computer programs.

Name of Course: English 3

Course Length: Full Year

Credit Generated: 1

Grade Level: 11

Prerequisite for Course: English 2

Course Description: (This is a required course for all juniors): Focus of first semester is on American Literature. Focus of second semester is on reviewing grammar, language, and writing structures. Students will review grammar which includes parts of speech, sentence structure, phrases, clauses, parallelism, agreement, and editing skills. Students will also study vocabulary, correct word usage, and standardized test taking skills. This course will also provide instruction and practice for persuasive/argumentative writing needed for the ACT Writing exam, focusing on organization and development of a position in a timed environment.

Name of Course: Speech/Communications 101 Dual Credit

Course Length: 1 Semester

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: English 2, HCC Placement Exam

Course Description: An introductory course in public speaking, with the dual goals of helping students understand basic communication skills while also improving their oral communication skills. In this course, emphasis is placed upon preparing, selecting, organizing, and delivering oral messages, as well as upon analyzing and evaluating the speaking-listening process

Name of Course: English 4

Course Length: Full Year

Credit Generated: 1

Grade Level: 12

Prerequisite for Course: English 3

Course Description: Students in English 4 will be developing their skills as critical thinkers, writers, and readers. This course will focus on the following areas: reading comprehension and critical analysis will focus on British and contemporary literature, the writing process will explain step-by-step instructions creating a detailed research paper with documentation, and the speaking unit will emphasize presenting researched information. Students will research a topic and produce a completed research project that includes a written paper, oral presentation, and visual aids.

Name of Course: College Prep/English 101 (dual credit toward high school graduation requirements)

Course Length: Fall Semester

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 12

Prerequisite for Course: HCC proficiency placement

General Description: This course progresses the student from writing expressive compositions to writing referential compositions to writing persuasive compositions, through critical reading, discussion, exercises, and revision. The majority of the writing is referential.

Name of Course: College Prep/English 102 (dual credit toward high school graduation requirements)

Course Length: Spring Semester

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 12

Prerequisite for Course: HCC English 101

General Description: This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, and revision. The majority of the writing is argumentative.

Mathematics

Name of Course: Algebra 1

Course Length: Full Year

Credits Generated: 1

Grade Level: 9

Prerequisite for Course: none

General Description: Algebra is a study of the real number system leading the student to develop an understanding of basic mathematical principles, develop manipulation skills using mathematical ideals, and develop a process for solving problems in mathematics.

Name of Course: Geometry

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10, 11

Prerequisite for Course: Algebra 1

General Description: Geometry is the study of sets of points in space. Students will study relationships between lines, planes, and polygons. Students will develop a method of proof using definitions, postulates, and previously proved theorems.

Name of Course: Algebra 2

Course Length: Full Year

Credits Generated: 1

Grade Level: 10, 11

Prerequisite for Course: Algebra 1, Geometry

General Description: Algebra 2 expands on material learned in Algebra 1 and Geometry and includes such topics as solving polynomial equations and inequalities, systems of equations, the complex number system, conic sections, exponential, logarithmic, inverse, and rational functions. This course fulfills the third year mathematics requirement. Students planning to pursue Pre-Calculus as a fourth year of math are required to enroll in the Advanced Algebra 2 section.

Name of Course: Advanced Algebra 2

Course Length: Full Year

Credits Generated: 1

Grade Level: 10, 11

Prerequisite for Course: Algebra 1, Geometry

General Description: This course moves at an accelerated, more rigorous pace in preparation for Pre-Calculus. Algebra 2 expands on material learned in Algebra 1 and Geometry and includes such topics as solving polynomial equations and inequalities, systems of equations, the complex number system, conic sections, exponential, logarithmic, and rational functions. Inverse functions and sequences are also included. This course may be taken concurrently with Geometry for students who wish to complete AP Calculus in high school.

Name of Course: Pre-Calculus

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: Algebra 2 with a “C” or better

General Description: This is a college preparatory pre-calculus course, which includes topics necessary for successful completion of post-high school mathematics coursework. Topics included are real and complex numbers, polynomials, exponential, logarithmic, and logistic functions, parametric equations, and vector algebra. There is a major focus on trigonometry.

Name of Course: AP Calculus AB

Course Length: Full Year

Credits Generated: 1

Grade Level: 12

Prerequisite for Course: Pre-Calculus

General Description: This course is a beginning/college preparatory investigation of the mathematics of change and motion. The course introduces the concept of limits as applied to the study of change and the development of differential calculus. The course also explores introductory integral calculus, a process for finding the sum of parts. Calculus is an important part of the field of mathematics and the methods of calculus are essential to most of the branches of science. The optional Advanced Placement exam is offered at the end of the course for an additional fee.

Music

Name of Course: Band

Course Length: Full Year (Semester option only available to select sections)

Credits Generated: 1

Grade Level: 9,10,11,12

Prerequisite for Course: Students must have participated in band during seventh and eighth grade, or have special permission from the instructor to enroll in high school band.

General Description: Students will be required to participate in the following curricular activities; Marching Titans, Wind Symphony, and Pep Band. This does include rehearsals and performances which will take place outside of the school day. Students will also be assessed through written work and skill development. We will work toward comprehensive musicianship through performance in band.

Name of Course: Concert Choir

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10, 11, 12

Prerequisite for Course: Audition Recommendation

General Description: This is an ensemble that consists of students who have a desire to improve vocal skills. Students will study and practice proper posture, note reading, tonal production, and pedagogy. Two concerts are required.

Name of Course: Chamber Choir

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10, 11, 12

Prerequisite: Audition Recommendation

General Description: This ensemble is for students who demonstrate advanced vocal skills. Students will study and practice proper posture, note reading, tonal production, performance technique and pedagogy. Two concerts are required with several more performance opportunities strongly encouraged.

Name of Course: Combined Band and Chorus

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: This course is available to students who would like to take both Band and Chorus. Students will be assigned to Chamber Choir and will alternate between the two courses from day to day.

Name of Course: Music Theory

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: JH level ensemble experience

General Description: This course will prepare students for college level music theory courses. We will start with basic music theory and work our way through chords, scales, key signatures, various time signatures, modes, and even into part writing and transposition.

Name of Course: HCC Music Appreciation (MUS 150) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam

General Description: An introduction to music appreciation and theory for students who do not intend to major in music. This course is designed to provide familiarity with the elements of music and with various musical forms and stylistic periods so the students can actively and perceptively listen to a wide variety of music. The ability to read music is not required for enrollment in MUSI 150

P.E., Health & Driver Ed.

Name of Course: Co-Ed Physical Education

Course Length: Semester

Credits Generated: .5

Grade Level: 9, 10, 11, 12

Prerequisite for Course: None

General Description: Required of all students each semester unless enrolled in Health, Driver's Ed., or eligible for exemptions. Through a variety of lifelong activities students will learn, adopt and maintain health and fitness habits. Co-educational activities that will be taught include but are not limited to the following: stretching/cardiovascular training, archery, disc golf, fitness, badminton, pickle ball, soccer, volleyball, basketball and softball. Students will utilize the Fitness Center. All students will be tested in the four testing areas of Fitness Gram. Chrome books will be utilized for classroom activities. Class participation is of the utmost importance for the students to have success in this class.

Name of Course: Weight Training

Course Length: Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: This course emphasizes concepts and application of fitness equipment, and/or free weights to promote strength and physical fitness.

Name of Course: Health

Course Length: Semester

Credits Generated: .5

Grade Level: 9, 10

Prerequisite for Course: None

General Description: Health is a required course for graduation. Course content reflects a holistic approach to maintaining good health including physical, mental/emotional, and social aspects. This one semester class design is in compliance with state-mandated health education information. Units include mental-emotional health, anger and stress management, decision making skills, reproductive health, sexually transmitted disease, nutrition, exercise, drug education, communicable and infectious disease, and body immune response.

Name of Course: Driver's Education

Course Length: 9 Weeks

Credits Generated: .5

Grade Level: 10; freshmen may enroll if they meet age requirements.

Prerequisite for Course: None

General Description: Driver's Education class is divided into two phases: the classroom phase and behind-the-wheel driving. A student must meet state requirements of 30 hours of attendance in the class. Units of study include: The Highway Transportation System, basic maneuvers and procedures, preventive maintenance and breakdowns, Rules of the Road, effects of alcohol and other drugs on driving performance, and the IPDE method of defensive driving. Register for the fall semester if you will turn 16 by the end of the school year. Register for the spring semester if you will turn 16 by the end of the first semester of the following school year.

THE STATE OF ILLINOIS REQUIRES A STUDENT TO PASS EIGHT (8) CLASSES IN THE TWO (2) SEMESTERS PRIOR TO TAKING THE DRIVER'S EDUCATION COURSE.

Science

Name of Course: Earth Science

Course Length: Full Year

Credits Generated: 1

Grade Level: 9

Prerequisite for Course: None

General Description: In Earth Science students will apply the scientific process throughout six units discussing the laws of force and motion on Earth, Earth's place in the universe, chemistry of stars, Earth's place in the solar system, the dynamic nature of earth's systems, as well as the way energy flows on Earth and the impact humans have on the planet. This physical science course is a survey of concepts in earth and space science including introductory concepts of chemistry and physics.

Name of Course: Biology

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10

Prerequisite for Course: Teacher Approval for Grade 9

General Description: Biology is the study of life. The course begins by exploring the interactions among living things at an ecosystem level including the effects of other living and nonliving components. However, biology is not just on a macro-scale but also on a micro-scale with the smallest unit of life being the cell. Students will explore the components that make up a cell and continue to build in complexity to make an organism. With the exploration from cells to organisms and the interactions of the environment, students will end the year exploring the importance of genetic variation and how that variation has changed over time.

Name of Course: Chemistry 1

Course Length: Full Year

Credits Generated: 1

Grade Level: 10, 11, 12

Pre-requisite for Course: Biology and Algebra 1

General Description: In Chemistry, students will develop an understanding of how matter and energy are responsible for everything around us. They will focus on three essential questions: How do we view matter?; How does it behave?; and What is the role of energy in the changes we observe? Students will explore these questions by examining, describing patterns in, and building models of real-life phenomena. Students will also develop argumentation and evidence based reasoning skills that will prepare them future high school and science coursework.

Name of Course: Physics

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: Biology. Completion of or concurrent enrollment in Chemistry I and Algebra 2.

General Description: Physics is a fundamental experimental science encompassing subjects such as mechanical motion, waves, light, electricity, magnetism, atoms, and nuclei. Knowing physics allows you to understand many aspects of the world. In this course, students will discover general rules or laws that bring understanding to the chaotic behavior of their surroundings. Students will discover these rules or laws by examining, describing patterns in, and building models of real-life phenomena. Students will use their models to explain the world around them, make predictions about it, and test those predictions. When necessary, students will be given opportunities to revise their models based on their findings. Students will also develop higher level argumentation and evidence based reasoning skills that will prepare them for future coursework.

Name of Course: BSAA-Plant & Animal Science

Course Length: Full Year

Credits Generated: 1

Grade Level: 10-12

Prerequisite for Course: Biology

General Description: This advanced agricultural science course is designed to reinforce and extend a student's understanding of sciences by associating basic scientific principles and concepts with relevant applications in agriculture. This course develops student skills through numerous laboratory exercises and experiments, and is recognized as a high school lab science by 4-year schools requiring 3 years of high school science for college admission.

Name of Course: Anatomy & Physiology

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: Biology and Chemistry

General Description: Anatomy and physiology is an advanced study of the human body. This course relates concepts from biology and chemistry to the human body as well as focuses on the structure and function of the various body systems in humans. Anatomy and physiology also takes a comparative approach by comparing the body systems of other species to the human body including the dissection of a mammal at the end of the course.

Name of Course: HCC Dual Credit Forensic Chemistry

Course Length: Full year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: Biology

General Description: Heartland Community College CHEM 110: Chemistry of CSI: Forensic Chemistry course will serve as an introduction to chemistry using forensic science as the primary theme. Topics include the scientific method, evidence collection, atomic structure, chemical bonding and reactions, properties of solutions, drug chemistry, arson investigation, explosives, time of death estimations, nuclear chemistry, poisons, and DNA analysis. This course is intended for students who are not pursuing a science career (not a replacement for CHEM 161). *4 credit hours*. This course generally should transfer to an Illinois Articulation Initiative college or university. Please consult with your advisor about transferability.

Name of Course: AP Biology (Not offered 2019-20)

Course Length: Full Year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: C or better in both Biology and Chemistry

General Description: Advanced Placement Biology is part of a nationwide program based on the belief that many students are ready for college work while still in high school; and their abilities should be recognized, encouraged, and rewarded. As a college level course, the amount of material covered as well as the complexity of the topics will be high. It is the responsibility of the student to come to class each day understanding the previous day's material. Students must be certain that they are willing to accept this challenge and be committed to keep up with the work. AP biology is structured around four Big ideas described in the Curriculum Framework, which encompass the core scientific principles, theories, and processes governing living organisms and biological systems. At least one of the Big ideas will be incorporated in every lesson throughout the course. Students enrolled in this course will have the opportunity to take their Advanced Placement exam in May at their own expense. Students receiving a high grade on the exam may be eligible for college credit depending on the score and the college.

Name of Course: AP Chemistry

Course Length: Full Year

Credits Generates: 1

Grade Level: 11, 12

Prerequisite for Course: C or better in Chemistry and Biology. Physics or current enrollment is recommended.

General Description: Advanced Placement Chemistry is part of a nationwide program based on the belief that many students are ready for college work while still in high school; and their abilities should be recognized, encouraged, and rewarded. As a college level course, the amount of material covered as well as the complexity of the topics will be high. It is the responsibility of the student to come to class each day understanding the previous day's material. Students must be certain that they are willing to accept this challenge and be committed to keep up with the work. AP chemistry is structured around six big ideas described in the Curriculum Framework, which encompass the core scientific principles, theories, and processes governing chemical systems. At least one of the big ideas will be incorporated in every lesson throughout the course. Students enrolled in this course will have the opportunity to take their Advanced Placement exam in May at their own expense. Students receiving a high grade on the exam may be eligible for college credit depending on the score and the college.

Name of Course: Astronomy

Course Length: 1 Semester

Credits Generates: .5

Grade Level: 11, 12

Prerequisite for Course: C or better in Biology and Geometry

General Description: Astronomy explores the human understanding of space through historical, cultural and scientific perspectives. Students will conduct research using data from NASA telescopes and observe astronomical events throughout the semester. While this is not a mathematically intensive course, students should be comfortable using some math in a science setting; this is why a jr/sr standing is ideal. Topics explored will include origins of the universe, identifying objects in the night sky, classifying stars and galaxies, technological advances in space research, a historical perspective on astronomy, and modern topics in astronomy.

Name of Course: Robotics STEM Lab

Course Length: 1 Semester

Credits Generates: .5

Grade Level: 11, 12

Prerequisite for Course: C or better in Biology and Geometry

General Description: STEM Labs are rigorous and fun STEM engagements that align to educational standards. All STEM Labs contain activities that are structured around iterative, engineering design processes, real-world applications and opportunities for students to build teamwork and collaboration skills. STEM Labs provide students with hands-on, minds-on engagements that encourage students to design creative solutions and innovate through experimentation.

Social Studies

Name of Course: Geography

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 9, 10 (Preferred), 11, 12 (Special circumstances)

Prerequisite for Course: None

General Description: This course is designed to be a survey of the basic principles of Geography. Class study will include map skills and an analysis of foreign countries, how people interact within their surroundings, economical and the social issues the people living in those countries deal with.

Name of Course: Western Civilization (Formerly World History --- cannot be taken if credit received for World History)

Course Length: Full Year

Credits Generated: 1

Grade Level: 9, 10 (Preferred), 11, 12 (Special circumstances)

Prerequisite for Course: None

General Description: This is a survey course of the beginnings and study of great civilizations of mankind. Neglect of a basic understanding of man's problems and solutions of the past may contribute to a shortcoming in understanding the present and what the future may hold.

Name of Course: United States History

Course Length: Full Year

Credits Generated: 1

Grade Level: 11

Prerequisite for Course: None

General Description: United States History will lay the foundation of studying American History through the canon of significant historical documents along with the interpretations of multiple sources. Students will learn the importance of analyzing primary sources along with writing thorough historical analysis.

Name of Course: Advanced Placement United States History

Course Length: Full Year

Credits Generated: 1

Grade Level: 11

Prerequisite for Course: None

General Description: Advanced Placement United States History. An intense examination of the people, events, eras, and documents that define who we are as a nation. Culminates with the optional AP Exam in the spring.

Name of Course: Sociology

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Sociology is the study of human behavior in groups. Social life is studied from several different perspectives. Emphasis is placed on the study of social problems.

Name of Course: HCC Sociology (SOC 101) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam

General Description: This course provides an intro to the scientific study of society. Topics include power and inequality, change, deviance, education, occupations, organizations, family/gender, religion, and racial/ethnic groups. Students will develop a critical understanding of social forces.

Name of Course: Psychology

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: Psychology is the study of human behavior. Utilizing different perspectives, the course covers such topics as learning, memory, intelligence, motivation, drive, stress, and abnormal behavior.

Name of Course: HCC Psychology (PSY 101) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam

General Description: The study of psychology as a science and the determinants of human personality and functioning. This course also focuses on how we may use the principles of physical and emotional/cognitive growth, learning, personality functioning and coping, and social interactions in our everyday lives.

Name of Course: Civics

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 10

Prerequisite for Course: None

General Description: This course is an in depth look at our government and how the foundational documents have shaped and been shaped by our history. It will examine both Illinois Government and the US Government as well as landmark precedents of the Supreme Court. It will look at current events and students will participate in a community service project. It will also follow the bills introduced in Congress and the General Assembly.

Name of Course: Investigating History

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: This course will make use of oral history, music history, art history, and film documentaries to study selected topics in US and World History. This course will also involve a local history or genealogy project. Students from this class will also be required to curate and maintain an exhibit at a TBD location.

Name of Course: Economics

Course Length: 1 Semester

Credits Generated: .5

Grade Level: 11, 12

Prerequisite for Course: None

General Description: This course is a survey of basic economics concepts. The major principle behind the economy as whole plus basic economic entities will be studied. This class will give students a level of economic knowledge that will enable them to successfully take introductory economics courses at the university level.

DUAL CREDIT COURSES:

Name of Course: College Prep/English 101 (dual credit toward high school graduation requirements)

Course Length: Fall Semester

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 12

Prerequisite for Course: HCC proficiency placement/Qualifying PSAT 8/9 or 10 Scores

General Description: This course progresses the student from writing expressive compositions to writing referential compositions to writing persuasive compositions, through critical reading, discussion, exercises, and revision. The majority of the writing is referential.

Name of Course: College Prep/English 102 (dual credit toward high school graduation requirements)

Course Length: Spring Semester

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 12

Prerequisite for Course: HCC English 110

General Description: This course progresses the student from writing analysis of and inquiring about issues to writing argumentative and persuasive compositions using research, through critical reading, discussion, exercises, and revision. The majority of the writing is argumentative.

Name of Course: Speech/Communications 101 Dual Credit

Course Length: 1 Semester (Fall)

Credit Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: English 2, HCC Placement Exam/Qualifying PSAT 8/9 or 10 Scores

Course Description: An introductory course in public speaking, with the dual goals of helping students understand basic communication skills while also improving their oral communication skills. In this course, emphasis is placed upon preparing, selecting, organizing, and delivering oral messages, as well as upon analyzing and evaluating the speaking-listening process.

Name of Course: HCC Psychology (PSY 101) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam/Qualifying PSAT 8/9 or 10 Scores

General Description: The study of psychology as a science and the determinants of human personality and functioning. This course also focuses on how we may use the principles of physical and emotional/cognitive growth, learning, personality functioning and coping, and social interactions in our everyday lives.

Name of Course: HCC Sociology (SOC 101) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam/Qualifying PSAT 8/9 or 10 Scores

General Description: This course provides an intro to the scientific study of society. Topics include power and inequality, change, deviance, education, occupations, organizations, family/gender, religion, and racial/ethnic groups. Students will develop a critical understanding of social forces.

Name of Course: HCC Music Appreciation (MUS 150) – Dual Credit

Course Length: Semester

Credits Generated: .5 (3 semester hours of college credit thru HCC)

Grade Level: 11, 12

Prerequisite for Course: HCC Placement Exam/Qualifying PSAT 8/9 or 10 Scores

General Description: An introduction to music appreciation and theory for students who do not intend to major in music. This course is designed to provide familiarity with the elements of music and with various musical forms and stylistic periods so the students can actively and perceptively listen to a wide variety of music. The ability to read music is not required for enrollment in MUSI 150.

Name of Course: HCC Dual Credit Forensic Chemistry

Course Length: Full year

Credits Generated: 1

Grade Level: 11, 12

Prerequisite for Course: Biology, HCC Placement Exam/Qualifying PSAT 8,9 or 10 Scores

General Description: Heartland Community College CHEM 110: Chemistry of CSI: Forensic Chemistry course will serve as an introduction to chemistry using forensic science as the primary theme. Topics include the scientific method, evidence collection, atomic structure, chemical bonding and reactions, properties of solutions, drug chemistry, arson investigation, explosives, time of death estimations, nuclear chemistry, poisons, and DNA analysis. This course is intended for students who are not pursuing a science career (not a replacement for CHEM 161). *4 credit hours*. This course generally should transfer to an Illinois Articulation Initiative college or university. Please consult with your advisor about transferability.