

# PROGRAM OF STUDIES



## 2024-2025 PREBLE SHAWNEE HIGH SCHOOL

Ms. Dianna Whitis, Principal  
Dylan Mann, Dean of Students

## **COLLEGE CREDIT PLUS**

Ohio's new College Credit Plus can help you earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university College Credit Plus is free. That means no cost for tuition, books or fees.

Preble Shawnee has an agreement with Sinclair Community College, Edison State Community College, and the Miami University branch campuses in Middletown and Hamilton. You can choose to take College Credit Plus courses from any of these institutions to take a course that would benefit your future.

### **IMPORTANT POLICY INFORMATION**

**ATTENTION ATHLETES, CHEERLEADERS AND ANYONE WHO IS INTERESTED IN BECOMING A STUDENT AIDE. YOU ARE REQUIRED TO PASS FIVE ONE HALF CREDIT COURSES (SOLID) AS PART OF THE ELIGIBILITY REQUIREMENTS. YOU ARE ALSO REQUIRED TO HAVE AT LEAST A 1.30 GPA. IN TERMS OF ELIGIBILITY, A SOLID CLASS IS ANY HIGH SCHOOL CLASS EXCEPT PE 9, PE 10, WEIGHT TRAINING, OR ADVANCED PE. HOWEVER, TWO PE COURSES CAN COUNT AS A SOLID IF THEY ARE TAKEN IN THE SAME SEMESTER. THIS MEANS THAT IF YOU ARE TAKING FOUR COURSES AND ONE PE COURSE, YOU ARE NOT ELIGIBLE TO PARTICIPATE IN ATHLETICS, CHEERLEADING OR BEING A STUDENT AIDE.**

**DUE TO THIS AND CHANGES IN STATE LAW, ALL STUDENTS IN GRADES 10-12 ARE REQUIRED TO TAKE SIX CLASSES. FRESHMAN ARE REQUIRED TO TAKE SEVEN. EXCEPTIONS WILL BE MADE FOR STUDENTS IN COLLEGE CREDIT PLUS AND WORK STUDY PROGRAMS. SPECIAL CIRCUMSTANCES WILL BE DECIDED BY THE PRINCIPAL. DUE TO THIS, STUDENTS MAY BE GIVEN CLASSES THEY DID NOT SIGN UP FOR. WHILE WE WORK TO AVOID THIS IT SOMETIMES BECOMES NECESSARY. STUDENTS WILL NOT BE ALLOWED TO DROP COURSES UNLESS:**

- 1. YOU ARE MISSING A REQUIREMENT FOR GRADUATION (ENGLISH MATH, SCIENCE, SOCIAL STUDIES OR PE),**
- 2. HAVE DUPLICATE CLASSES**
- 3. ARE PLACED IN AN INAPPROPRIATE GRADE LEVEL COURSE**
- 4. WISH TO ADD A CLASS IN LIEU OF A STUDY HALL**
- 5. WISH TO DROP A COURSE FOR A STUDY HALL IF SEVEN COURSES ARE SCHEDULED**

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# PHILOSOPHY OF PREBLE SHAWNEE SECONDARY SCHOOL

The mission of the Preble Shawnee Local Schools, in partnership with the family and community, is to prepare students for their future by offering a quality educational experience in a positive and innovative learning environment while utilizing resources responsibly.

## SCHEDULING

Students will select their classes for the next year during Arrow Time.

Students will review their course options by looking at the course of studies and elective classes available to them.

Students will have up to two weeks to choose their classes. All classes need to be selected before Spring Break

Any Core Course failed will need to be taken again in class. Online classes are allowed if the student has to take a course for the third time.

Courses offered are determined by administration upon review of student requests.

Adjustments made to requests if a course a student requested is not going to be offered.

Administration determines the number of sections that will be offered for each course and teaching assignments.

The master schedule is built and adjusted until the maximum number of students have conflict free schedules.

Conflict schedules are resolved via alternate courses selected by the student.

## SCHEDULE CHANGE POLICY

At times it is necessary for a student to change his/her schedule by adding or dropping a course during the school year. Such changes should rarely be made since good planning will eliminate the need for such changes.

Acceptable reasons for changes include: 1. Testing intervention 2. Failure of prerequisite 3. Incorrect placement

### POLICY ON DROPPING OR ADDING COURSES:

- Schedules may be changed during the first 4 school days of the school year or the first 4 days of the semester.
- A student's course load must consist of a minimum of 7 classes for 9<sup>th</sup> graders and 6 classes for 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> graders per semester.
- After the 4-day time limit has passed, changes may be made if:
  - a) A change is initiated by a faculty member (teacher, counselor, or administrator).
  - b) There is a medical reason for the change.
  - c) A student is taking a CC+ class and has 7 classes scheduled.

## SCHOOL COUNSELORS

Mr. Godfrey– Grades 12-10 (10<sup>th</sup> grade last names beginning with A-K)

Ms. Stevenson – Grade 8-10 (10<sup>th</sup> grade last names beginning with L-Z)

## DEFINITION OF TERMS

Several words or expressions used throughout this booklet need explanation because they have special meaning. Some of the most important are defined below.

**COURSE LENGTH** - Courses are offered for either a year or a semester. A semester consists of 18 weeks of classroom work. Year long courses consist of 36 weeks of classroom work or two semesters. Check course descriptions for duration.

**ELECTIVE** - Subjects which are not required for graduation are called electives.

**GRADE POINT AVERAGE OR GPA** - A grade point average is a numerical representation of the relationship between grades earned and credits attempted.

**HONOR ROLL** - Students earning an average of "B" ( 3.001) or better will receive recognition of their academic excellence by having their names placed on the honor roll at the end of each grading period. Students receiving a grade below C- in any subject regardless of actual average, are ineligible for the honor roll.

**PREREQUISITE** - Before taking some subjects, it is necessary to have a certain background. A subject needed in order to take a more advanced course is called a prerequisite. Prerequisites may include grade level, previous course work, interest, or ability.

**REQUIRED SUBJECT** - Certain courses are required for graduation as designated by the State of Ohio and/or the local Board of Education. PE 9, Health and PE 10 are required subjects. If a student is involved in a sport, is a cheerleader, in flag corps or marching band that student could substitute that for PE 10. The student must complete 1 season of the aforementioned activities.

**TRANSCRIPT** - A transcript is a complete record of courses taken, grades earned in those courses, End of Course & ACT results, and attendance.

**AWARDING CREDIT** - Credit is awarded on a semester basis when the semester average is D- or higher. Students enrolled in yearly courses must earn a yearly average of D- or higher in those courses.

## **REQUIRED COURSES**

| <u>9<sup>TH</sup> GRADE</u> | <u>10<sup>TH</sup> GRADE</u>      | <u>11<sup>TH</sup> GRADE</u> | <u>12<sup>TH</sup> GRADE</u> |
|-----------------------------|-----------------------------------|------------------------------|------------------------------|
| English 9                   | English 10                        | English 11                   | English 12                   |
| Phys. Ed 9                  | Phys. Ed 10                       | Math Credit                  | Math Credit                  |
| Health                      | Physical Science                  | Science Credit               | Elective Credits             |
| Biology                     | US History 10                     | American Govt/Finance        |                              |
| World Studies 9             | Geometry                          | Elective Credits             |                              |
| Algebra                     | Speech (If taking Honors English) |                              |                              |
| Elective Credits            | Elective Credits                  |                              |                              |

## **GRADUATION REQUIREMENTS**

Subjects required for graduation may be taken through summer school, online classes, night school or correspondence if the student has previously failed that class. Requirements for high school graduation in Ohio shall include credits earned in grades 9-12 and shall be defined and distributed as follows:

## **GENERAL DIPLOMA REQUIREMENTS**

| <b>TOTAL CREDITS FOR ALL CLASSES</b>               | <u>HIGH SCHOOL</u><br><b>22 CREDITS</b> | <u>CTC</u><br><b>22 CREDITS</b> |
|--|---|---------------------------------|
| <b>4 English</b>                                   |   |                                 |
| <b>4 Math</b>                                      |   |                                 |
| <b>3 Social Studies</b>                            |   |                                 |
| <b>3 Science</b>                                   |   |                                 |
| <b>1 Technology or Fine Arts or Foreign. Lang.</b> |   |                                 |
| <b>½ Health</b>                                    |   |                                 |
| <b>½ P.E.</b>                                      |   |                                 |
| <b>6 Electives</b>                                 |   |                                 |

## HONORS DIPLOMA REQUIREMENTS

### COLLEGE PREPARATORY

Must meet 6 of these 7 requirements for an Honors Diploma:

- 4 English
- 4 Math that includes Algebra 1, Algebra 2, and Geometry
- 4 Science that includes 2 units of advanced science
- 4 Social Studies
- 3 Foreign Lang. of same language or 2 each of two separate Foreign Languages
- 1 Fine Arts

Maintain an overall grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.

Obtain a composite score of 27 on the ACT or an equivalent composite score of 1210\* on the SAT.  
(\*Excluding the writing score.)

### VOCATIONAL/TECHNICAL

Must meet 9 of these 10 requirements for an Honors Diploma:

- 4 English
- 4 Math that includes Algebra and Geometry
- 4 Science
- 4 Social Studies
- 4 Units of Career-Technical curriculum
- 2 Units of one world language

Maintain an overall grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year.

Achieve a proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or the equivalent.

Obtain a composite score of 27 on the ACT or an equivalent composite score of 1210\* on the SAT.  
(\*Excluding the writing score.)

Complete a field experience and document the experience in a portfolio specific to the student's area of focus.

### END OF COURSE TESTS

Students are required to pass ELA II and Algebra I tests with at least a 684. Students are also required to earn at least 2 seals, one of which must be a state seal. Further explanation of the state testing system can be found on the Guidance Page on the Preble Shawnee website.

## AGRICULTURE EDUCATION

Preble Shawnee Agricultural Department offers diverse classes to serve many different students in grades 0-12. Our Agriculture Education program is designed to cover all aspects of agriculture to take these classes! Furthermore, students who complete three years of the Agriculture Education Program who have a 2.5 GPA will receive a **\$3000.00 scholarship** upon graduation to Sinclair Community College. Students also have the opportunity to obtain college credit through Edison State Community College and Sinclair Community College. Since FFA is an intracurricular program, students are required to be FFA members.

### **AGRICULTURE, FOOD AND NATURAL RESOURCES (AFNR) – 971**

**1 YEAR: 1.25**

**PREREQUISITES: NONE**

**SCIENCE CREDIT: .50**

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

### **MECHANICAL PRINCIPLES – 972**

**1 YEAR: 1.25**

**PREREQUISITES: AFNR OR INSTRUCTOR APPROVAL**

**SCIENCE CREDIT: .50**

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

### **SCIENCE & TECHNOLOGY OF FOOD 974**

**1 YEAR: 1.25**

**PREREQUISITE: AFNR OR INSTRUCTOR APPROVAL**

**SCIENCE CREDIT: .50 CREDIT**

Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

### **BUSINESS MANAGEMENT FOR AGRICULTURAL AND ENVIRONMENTAL SYSTEMS - 975**

**1 YEAR: 1.25**

**PREREQUISITES: TWO YEARS OF PREVIOUS AGRICULTURE INSTRUCTION OR INSTRUCTOR APPROVAL**

This is the final course for agricultural education students. Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. Students will complete an online course through Sinclair Community College.

### **AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE – 976**

**1 YEAR: 2.25**

**PREREQUISITES: INSTRUCTOR APPROVAL**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

**LIVESTOCK SELECTION, NUTRITION, AND MANAGEMENT (Offered Even Years) - 977**

**1 YEAR: 1.25 credits for school year & 0.25 Summer Credit**

**PREREQUISITES: AFNR OR INSTRUCTOR APPROVAL**

**SCIENCE CREDIT: .50**

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

**GREENHOUSE AND NURSERY MANAGEMENT (Offered Odd Years) - 978**

**1 YEAR: 1.25 credits for school year & 0.25 Summer Credit**

**PREREQUISITES: AFNR OR INSTRUCTOR APPROVAL**

**SCIENCE CREDIT: .50**

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and

## ENGLISH

### ENGLISH 9 - 501

1 YEAR: 1 CREDIT

PREREQUISITE: NONE

Students in this course will read, analyze and critique various short stories, poems, non-fiction selections, a Shakespearean work and a novels. After brief units on usage and sentence structure, students will develop thesis statements and write descriptive, narrative, persuasive and expository compositions. Students will learn how to effectively use and conduct research in a library and participate in a variety of speaking situations. Students will also be required to do independent reading and will write a business letter.

### HONORS ENGLISH 9 - 502

1 YEAR: 1 CREDIT

**PREREQUISITES: APPROVAL OF INSTRUCTOR AND AT LEAST A "B" OR BETTER IN ENGLISH 8. STUDENTS MUST WRITE AN ESSAY ON A TOPIC (PROVIDED IN APRIL) IN ORDER TO BE CONSIDERED FOR THIS CLASS.**

Students will write a variety of compositions to improve their critical thinking, revising, and editing abilities. Lessons about grammar, usage, mechanics, and vocabulary will provide students with background skills needed to revise and edit more effectively. Literature and informative nonfiction selections will provide students with opportunities to write two persuasive essays and a research essay along with a critical analysis essay. Students will read, analyze, and critique various short stories, poems, nonfiction selections, a Shakespearean play, and two novels. **Students who do not maintain a "B-" or higher may be removed and placed in a regular English class at the semester's end.**

### ENGLISH 10 - 503

1 YEAR: 1 CREDIT

Students in this course will participate in a variety of reading and writing activities with emphasis on the writing process, grammar, and vocabulary. Students will be required to read and analyze at least one novel, short stories, and dramatic works. The writing section will include informative essays, and other types of essays including descriptive, expository, persuasive, research, etc. Speeches may be required.

### HONORS ENGLISH 10 - 504

1 YEAR: 1 CREDIT

**PREREQUISITES: MUST HAVE EARNED A "B" OR BETTER IN CURRENT CP ENGLISH COURSE. STUDENTS WITHOUT A "B" MAY SIGN UP ONLY WITH PERMISSION OF CURRENT INSTRUCTOR.**

Students in this course will learn to utilize technology while researching to compose both an informative and persuasive paper using MLA documentation. Students will participate in a myriad of speaking situations, including an informative speech. Students will read a variety of short stories, poems, and three novels as well as independent novels. **Students who take this course are required to take Speech. Students who do not maintain a "B" average may be removed and placed in a regular English class at the semester.**

### ENGLISH 11 - 505

1 YEAR: 1 CREDIT

Students will read, analyze, and critique American literature of the 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup> centuries including essays, short stories, plays and a novel. Students will also be required to read independent novels each nine weeks and complete various projects and papers. Students will be required to write a variety of descriptive, narrative, expository, and persuasive papers. Senior passports will be created the 4<sup>th</sup> nine weeks of junior English. Students will be required to research a career of interest, compose an informative essay and create a resume.

### HONORS ENGLISH 11 - 506

1 YEAR: 1 CREDIT

**PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN CURRENT HONORS ENGLISH COURSE. STUDENTS WITHOUT A "B" MAY SIGN UP ONLY WITH PERMISSION OF CURRENT INSTRUCTOR.**

This is a more in-depth study of American literature. Students will read, analyze, and critique more American literature of the 17<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup> centuries. Students will complete essays required by general English 11 students but will be expected to reach a higher level of competency. This course's focus is to prepare each student for college. College preparatory students will move at a faster pace & have a greater work load than general English 11 students. **Students who do not maintain a "B" average may be removed and placed in a regular English class at the semester.**

## ENGLISH

### **ENGLISH 12 – 507**

**1 YEAR: 1 CREDIT**

The emphasis of this course will be in developing effective communication skills for the student's future career. Students will read a variety of British and world literatures from the Anglo-Saxon period to the Victorian period for insight, analysis, and critique. These include, but are not limited to, the following titles: Beowulf, The Canterbury Tales and Hamlet. In addition, students will be instructed in standard mechanics and styles of written communication in a variety of genres. Students will also work to improve research presentation and public speaking skills, and creativity of self-expression through independent reading and personal writing.

### **HONORS ENGLISH 12 – 508**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN CURRENT HONORS ENGLISH COURSE. STUDENTS WITHOUT A "B" MAY SIGN UP ONLY WITH PERMISSION OF CURRENT INSTRUCTOR.**

1<sup>ST</sup> semester: Study and practice of essay writing by reading published authors and producing college-level writing for a variety of audiences and purposes. Employs critical thinking and analytical skills in both formal and informal analysis, and research. All writing will stress Standard English, organization, and style.

2<sup>ND</sup> semester: Study in the reading of fiction, poetry and drama. Students will learn to respond to literature from a critical perspective through both class discussions and assigned writings. This class will run concurrently with the Edison CC+ class and use the same material. A student taking this course will not receive college credit. **Students who do not maintain a "B" average may be removed and placed in a regular English class at the semester.**

### **ENGLISH ELECTIVES**

#### **NOVELS—510S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: JUNIOR OR SENIOR STANDING**

The goal of this course is to develop each student's ability and interest in reading. Students will be required to read multiple texts, some of which will be independent reading. Reactions to these texts will be encouraged using several methods including, but not limited to: discussion, critical analysis, and various writings. Multiple comparative genres will be used to illuminate the novels read such as film, short stories, and nonfiction texts.

#### **SPEECH – 511S**

**1 SEMESTER: .50 CREDIT EACH**

**PREREQUISITE: GRADES 10-12**

Speech is an upper level English course. Students will be required to perform research, conduct interviews, create outlines and engage in critical thinking. Students will examine the basic human communication process through a variety of activities and assignments including, but not limited to, observations, news analysis, and group problem solving tasks. The student will perform a variety of speeches including impromptu, anecdotal, informative, persuasive, and special occasion. The student will apply effective speaking techniques such as vocal expression, eye contact, effective movement, and use of visual and audio aides. The course will provide a theoretical basis, but will emphasize the importance of becoming an informed and skilled communicator. The use of technology/multimedia equipment will be strongly encouraged. **THIS COURSE IS REQUIRED IF YOU ARE TAKING HONORS ENGLISH 10.**

#### **FILM AND LITERATURE – 512S**

**1 SEMESTER: .50 CREDITS**

**PREREQUISITE: JUNIOR OR SENIOR STANDING**

This course will involve the study of various novels and short stories while comparing them to their film version. Students will compare and contrast the book and film and look for themes. These themes will include family ties, revenge, irony, and mystery. The goal of the class is to develop and strengthen critical thinking skills in order to effectively analyze the films. Students will be required to write often.

## ENGLISH

### **BROADCASTING – 513S**

**1 SEMESTER – .50 CREDITS**

**PREQUISTIE: 10-12**

The objective to have students self-produce episodes of a weekly new production (Arrow Channel). The class will go through the complete production process including writing scripts recording, editing, and compiling the videos into a cohesive episode for the student body. Students in the class will have access to numerous technologies and software including portable microphone and recording/editing devices. Not every student will be required to be in front of a camera, but every student will be expected to contribute weekly to the segments. Students will go through a review process that will include grades, attendance and behavior. Students that do not meet the criteria will not be permitted to take the class.

### **MYTHOLOGY – 518S**

**1 SEMESTER - .50 CREDITS**

**PREQUISITE: 10-12**

This course is designed to introduce Classical Mythology and the literary origins of various world cultures. It begins with acquainting students with the nature of myth or the traditional stories by which a people define their world and affirm its shared values. Students will learn various methods of interpreting these tales. Students will read the original authors in translation, and style, and cultural diversity are studied. Vocabulary skills, research skills, public speaking, various forms of composition, as well as technology are integrated into the course.

### **TRUE CRIME LITERATURE – 519S**

**1 SEMESTER – .50 CREDITS**

**PREREQUISITE: 10-12**

The True Crime Literature course aims to explore the intriguing intersection between literature and real-life criminal cases. Throughout the semester, students will delve into the narratives surrounding infamous crimes, examining how these stories are crafted, interpreted, and portrayed in various literary forms. The course will cover a range of historical and contemporary true crime cases, allowing students to critically analyze the societal, cultural, and ethical implications of these narratives.

### **COMPOSITION I – EENG121S**

**1 SEMESTER - 1.0 HIGH SCHOOL CREDITS 3.0 COLLEGE CREDITS THROUGH EDISON STATE COMMUNITY COLLEGE**

**PREREQUISITE: GRADES 10-12, PERMISSION OF INSTRUCTOR, SCORING AT LEAST 18 ON THE ENGLISH SECTION OF THE ACT, OR SCORING COLLEGE READY ON THE ACCUPLACER TEST**

Study and practice of essay writing by reading published authors and producing college-level writing for a variety of audiences and purposes. Employs critical thinking and analytical skills in both formal and informal analysis, and research. All writing will stress Standard English, organization, and style.

### **INTRODUCTION TO LITERATURE – EENG123S**

**1 SEMESTER – 1.0 HIGH SCHOOL CREDITS 3.0 COLLEGE CREDITS THROUGH EDISON STATE COMMUNITY COLLEGE**

**PREREQUISITE: GRADES 10-12, EENG121S, PERMISSION OF INSTRUCTOR, SCORING AT LEAST 18 ON THE ENGLISH SECTION OF THE ACT OR SCORING COLLEGE READY ON THE ACCUPLACER TEST**

Study in the reading of fiction, poetry and drama. Students will learn to respond to literature from a critical perspective through both class discussions and assigned writings.

### **AMERICAN LITERATURE PRE-COLONIAL TO 1890 - EENG221S**

**1 SEMESTER – 1.0 HIGH SCHOOL CREDITS, 3.0 COLLEGE CREDITS THROUGH EDISON STATE COMMUNITY COLLEGE**

**PREREQUISITE: EENG 121S**

Study of American Literature from the beginnings of pre-European settlement until the late 19<sup>th</sup> century. Students will read, discuss, and write about the historical, social, political, and religious perspectives that influenced the literary expression of the authors of the period.

### **AMERICAN LITERATURE: 1890 TO PRESENT - EENG222S**

**1 SEMESTER – 1.0 HIGH SCHOOL CREDITS, 3.0 COLLEGE CREDITS THROUGH EDISON STATE COMMUNITY COLLEGE**

**PREREQUISITE: EENG 121S**

Study of American Literature from the early 20<sup>th</sup> century to present. Students will read, discuss, and write and the historical, social, political, and religious perspectives that influenced the literary expression of the authors of the period.

## FAMILY AND CONSUMER SCIENCE

### **CAREER SEARCH – 952S**

**1 SEMESTER: .625 CREDIT**

**PREREQUISITE: SOPHOMORE STANDING**

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

### **HEALTHY LIVING – 953S**

**1 SEMESTER: .625 CREDIT**

**PREREQUISITE: SOPHOMORE STANDING**

In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health.

### **CHILD DEVELOPMENT – 954S**

**1 SEMESTER: .625 CREDIT**

**PREREQUISITE: SOPHOMORE STANDING**

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

### **PRINCIPLES OF FOODS – 955S**

**1 SEMESTER: .625 CREDIT**

**PREREQUISITE: SOPHOMORE STANDING**

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

### **GLOBAL FOODS – 956S**

**1 SEMESTER: .625 CREDIT**

**PREREQUISITE: PRINCIPLES OF FOOD AND PERMISSION OF INSTRUCTOR**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

## FINE ARTS

### **Art I 201A**

**1 SEMESTER: 0.5 CREDIT**

**PREREQUISITE: INTEREST IN ART**

This is an introductory course designed to build a foundation of knowledge in artistic thinking, creating, and critique. Students will learn through hands-on, in-depth projects, presentations, sketchbooks and reflections. Students will learn the history of art and how it has impacted art today. The elements and principles of art will be focused on in each project assigned. Students will experience a variety of techniques and materials through their projects. This includes, but is not limited to, graphite, colored pencil, acrylic, watercolor, etc. Students will be expected to develop and apply abilities in time management, taking responsibility for their learning, and respect for others and oneself. Technical excellence is not required, but 100% effort is mandatory.

### **Art I 201B**

**1 SEMESTER: 0.50 CREDIT**

**PREREQUISITE: INTEREST IN ART**

This is an introductory course designed to build a foundation of knowledge in artistic thinking, creating, and critique. Students will learn through hands-on, in-depth projects, presentations, sketchbooks and reflections. Students will learn the history of art and how it has impacted art today. The elements and principles of art will be focused on in each project assigned. Students will experience a variety of techniques and materials through their projects. This includes, but is not limited to, printmaking, mixed media, ceramics, etc. Students will be expected to develop and apply abilities in time management, taking responsibility for their learning, and respect for others and oneself. Technical excellence is not required, but 100% effort is mandatory.

**\*\* Art I-A and Art I-B may be taken in any order, and in different academic years. But, both courses must be completed with a C+ or higher to advance to Art II.**

### **Art II 202A**

**1 SEMESTER: 0.5 CREDIT (REPEATABLE)**

**PREREQUISITE: ART I WITH A "C+" OR HIGHER IN ART I**

This class will focus on 2-dimensional art and mediums. Students will learn about different styles of 2-dimensional art, artists, and mediums. Students will learn through hands-on, in-depth projects, presentations, sketchbooks, peer conferencing, and critiques. This class will include three different levels of learning and student projects will become more independent each year. Students will focus on drawing, painting, printmaking, and other 2D art mediums.

### **Art II 202B**

**1 SEMESTER: 0.5 CREDIT (REPEATABLE)**

**PREREQUISITE: ART I WITH A "C+" OR HIGHER IN ART I**

This class will focus on 3-dimensional art and mediums. Students will learn about different styles of 3-dimensional art, artists, and mediums. Students will learn through hands-on, in-depth projects, presentations, sketchbooks, peer conferencing, and critiques. This class will include three different levels of learning and student projects will become more independent each year. Students will focus on sculpture, ceramics, multi-media, and other 3D art mediums.

### **CERAMICS 203A**

**1 SEMESTER: 0.5 CREDIT (REPEATABLE)**

**PREREQUISITE: ART I A & B, AND A "C" OR HIGHER IN PAST ART CLASSES**

Ceramics classes will be mixed ability level classes allowing students to work at their ability level. We will focus on many techniques of hand building, wheel throwing, glazing, and firing. Students will have their own mini show during the Spring Art Show to highlight their pieces. They will also write an artist statement to accompany their work.

### **CERAMICS 203B**

**1 SEMESTER: 0.5 CREDIT (REPEATABLE)**

**PREREQUISITE: ART I A & B, AND A "C" OR HIGHER IN PAST ART CLASSES**

Same as 203A

## FINE ARTS

### **ART INDEPENDENT STUDY 205**

#### **1 YEAR CLASS**

**PREREQUISITE: AT LEAST FOUR SEMESTERS, WITH A "C" OR HIGHER IN PAST ART CLASSES PLUS PERMISSION OF INSTRUCTOR.**

This class is for art students who are ready to work more independently to develop or discover their art style and focus areas. Students will be required to develop, research, and practice art skills and style and focus areas. Students will be required to develop, research, and practice art skills and styles. Students will be required to produce high quality work in their preferred medium(s). Students will prepare work to display in their own section of the Spring Art Show. This will include writing an artist statement.

### **CHOIR: MIXED - 250**

#### **1 YEAR: 1 CREDIT**

**PREREQUISITE: APPROVAL OF THE INSTRUCTOR.**

Choir is open to any student who is interested in learning to use his/her voice properly and in learning to sing in a vocal group. Singing with clarity, using good diction and breathing techniques, singing in parts and learning choreography are emphasized. Students are required to participate in all concerts and public performances scheduled by the instructor.

### **BAND - 260**

#### **1 YEAR: 1 CREDIT (MUST COMPLETE 1 FULL YEAR FOR CREDIT.)**

**PREREQUISITE: BEGINNING BAND GRADES 5-8 OR APPROVAL OF THE INSTRUCTOR.**

By grade 9, the student should have mastered the fundamental skills and techniques on a particular instrument. The High School Band Program will help the student become proficient in playing his/her instrument. The students will learn to perform required techniques and interpretation as demanded by the composition and to play his/her part within an instrumental group. You must be in Marching Band to participate in Concert Band. Band is a yearlong course and may not be dropped at any point unless approved by the band's director. Attendance at band camp is mandatory and will count for a large percentage of the grade. The first part of the year is marching band including football games, parades and competitions. The remainder of the year involves concert band, contests, and pep band. This also includes, Memorial Day parades, and other performances and activities as scheduled by the school administration. OMEA and ensemble contest participation is encouraged but not required. Attendance at all rehearsals and performances is a requirement for this course.

### **FLAG CORPS – 265S**

#### **1 QUARTER: .25 CREDITS**

**PREREQUISITE: PERMISSION OF INSTRUCTOR**

This is a performance groups that will perform with the band during football games and other school activities. The study of rhythm, movement, and synchronization will be emphasized. Students need to be comfortable performing in front of an audience and enjoy dance.

## FOREIGN LANGUAGE

### **FRENCH I - 311**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: NONE**

Students will receive basic instruction in French so they may understand French as it is spoken by a sympathetic native speaker, speak the language at a level appropriate to their experience, read with comprehension and pleasure, and express themselves in writing.

### **FRENCH II - 312**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: FRENCH I, WITH A GRADE OF C OR BETTER**

French II builds upon the study of conversation, reading, and composition started in French I.

### **FRENCH III - 313**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: FRENCH II, WITH A GRADE OF C OR BETTER**

French III builds upon the study of conversation, reading, and composition reached in French II.

### **FRENCH IV - 314**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: FRENCH III, WITH A GRADE OF B OR BETTER**

French IV continues the study of conversation, reading, and composition in French, with an emphasis on higher-level structures and expressions.

### **SPANISH I - 301**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: NONE**

Students will receive basic instruction in Spanish so they may understand Spanish as it is spoken by a sympathetic native speaker, speak the language at a level appropriate to their experience, read with comprehension and pleasure, and express themselves in writing.

### **SPANISH II - 302**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: SPANISH I, WITH A GRADE OF C OR BETTER**

Spanish II builds upon the study of conversation, reading, and composition started in Spanish I.

### **SPANISH III - 303**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: SPANISH II WITH A GRADE OF C OR BETTER & APPROVAL OF INSTRUCTOR**

Spanish III builds upon the study of conversation, reading, and composition reached in Spanish II.

### **SPANISH IV - 304**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: SPANISH III, WITH A GRADE OF B OR BETTER & APPROVAL OF INSTRUCTOR**

Spanish IV continues the study of conversation, reading, and composition in Spanish, with an emphasis on higher-level structures and expressions.

### **ASL I – 305S**

**1 SEMESTER: 0.5 CREDIT**

**PREREQUISITE: JUNIOR OR SENIOR STANDING**

The purpose of this course is to introduce American Sign Language and help develop the fundamentals of the language. Work will consist of developing basic knowledge and understanding of conversational ASL (expressive and receptive, basic grammar, syntax, plus the cultural features of the language and community. This class requires the active use of ASL with an emphasis on conversational competence.

### **ASL II – 306S**

**1 SEMESTER: 0.5 CREDIT**

**PREREQUISITE: ASL I**

The purpose of the course is to continue developing American Sign Language skills in the areas of conversation, grammar, and ASL culture awareness. An emphasis on the usage of correct facial expressions, as well as increased knowledge of deaf culture. Students will practice receptive and expressive skills in class with students and the instructor.

## HEALTH & PHYSICAL EDUCATION

### **PHYSICAL EDUCATION - GRADE 9 P.E (1) – 401S**

**1 SEMESTER: .25 CREDIT**

**PREREQUISITE: NONE**

The student will learn skills, rules, and strategy of such team sports as flag football, soccer, volleyball, basketball, softball, floor hockey and tennis. Weekly fitness activities such as aerobics, plyometrics, calisthenics, stretching and selected recreational games will also be played. Participation and sportsmanship are stressed, as well as the acquisition of knowledge and skills. Students will be assessed by physical and written tests in the following areas: skills in movement and patterns, unit tests, physical activity portfolio and fitness improvement.

### **HEALTH – 402S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: NONE**

Health education provides the student with a basic understanding of the physical, mental and social processes of the human body. Topics include personal, mental, and emotional health. Nutrition, fitness, substance abuse, cardiopulmonary resuscitation (CPR), safety and emergency care, communicable diseases and human sexuality will also be discussed.

### **PHYSICAL EDUCATION - GRADE 10 P.E. (2) – 403S**

**1 SEMESTER: .25 CREDIT**

**PREREQUISITE: PHYSICAL EDUCATION GRADE 9**

This course provides a more in depth look at the skills and strategies of team and individual sports introduced in the Physical Education Grade 9 course. PE 10 will also introduce new sports such as handball, badminton, pickleball, and ultimate frisbee. Weekly fitness activities such as aerobics, plyometrics, calisthenics, stretching and selected recreational games will also be played. Students will be assessed by physical and written tests in the following areas: Invasion activities, sports units, sport skills, personal/social behavior and a physical activity promotion project.

### **INTRO TO WEIGHT TRAINING – 404S**

**1 SEMESTER: .25 CREDIT**

**PREREQUISITE: MUST HAVE PASSED P.E. 9, PERMISSION OF THE INSTRUCTOR. GRADES 10-12**

**REPEATABLE**

This course is an introduction to weight lifting. The class emphasizes the use of free weights, supplemental, and conditioning exercises. Each student will have an individualized program to complete based on baseline tests with regards to the four core lifts. Students participating in this class should have a real interest in weight training.

### **ADVANCED WEIGHT TRAINING-405S**

**1 SEMESTER .25 CREDIT**

**PREREQUISITE: MUST HAVE PASSED OR COMPLETED INTRO TO WEIGHT TRAINING, PERMISSION OF THE INSTRUCTOR. GRADES 10-12 REPEATABLE**

This course will take an in-depth look into other methods of weight training. It's for students who have weight training experience that want to further pursue other interests in the field. This can include powerlifting, Olympic lifts, CrossFit, high intensity interval training, bodybuilding and circuit training. Students will have the choice of a specific self-driven workout plan to complete. One field trip will be taken during this semester.

### **ADVANCED P.E.: LIFE SPORTS – 406S**

**1 SEMESTER: .25 CREDIT**

**PREREQUISITE: MUST HAVE PASSED P.E. 10, BE A JUNIOR OR SENIOR. PERMISSION OF THE INSTRUCTOR. REPEATABLE**

Advanced Physical Education emphasizes fitness and lifetime sports (golf, tennis, bowling, racquetball, etc). Field trips will be taken that will involve some expense to the student. Shortened units in team sports are included in this class also.

### **SPORTS SCIENCE & ADVANCED NUTRITION – 407S**

**1 SEMESTER .50 CREDIT**

**PREREQUISITE: MUST HAVE PASSED PE 9 OR 10, AND HEALTH. BE A JUNIOR OR SENIOR AND HAVE THE PERMISSION OF THE INSTRUCTOR**

This course will take an in depth look into sport, exercise and nutrition. Topics to be discussed include sport science, sport psychology, advanced sports nutrition and exercise physiology. This class will include physical labs in which students are required to bring athletic clothing.

## INDUSTRIAL TECHNOLOGY

### **INDUSTRIAL TECHNOLOGY I - 909**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: NONE**

Industrial Technology IA is an introductory course into the many different aspects of industry. The main areas of emphasis will include: shop safety, shop math, basic drafting, basic bench metals, fuse welding, oxyacetylene/spot welding, soldering and mass production. Industrial Technology IB will emphasize: basic wood technology, basic energy, and power technology.

### **WOOD TECHNOLOGY I – 910S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: INDUSTRIAL TECH I**

This course expands upon fundamentals learned in Industrial Tech. I. The students will complete projects with a higher level of skill in construction and machine wood working techniques, and mass production.

### **WOOD TECHNOLOGY II – 911S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: WOOD TECH. I**

Students will be expected to work on furniture projects. Wood lathe operation will be introduced, along with furniture refinishing. Basic plastics projects involving Plexiglass will be included and sealed models construction.

### **ADVANCED WOODS – 912**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: WOOD TECH II, PERMISSION OF THE INSTRUCTOR**

Areas of interest: Advanced individual projects and utility shed construction.

### **METAL TECHNOLOGY I – 913S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: INDUSTRIAL TECH I**

The major topics of this course include metal fabrication, sheet metal and fuse welding, soldering and brazing.

### **METAL TECHNOLOGY II – 914S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: METAL TECH. I**

This course will expand on the content of Metal Tech I. The first half of the course will deal with process of arc and gas welding. The second half of the course will deal with metal fabrication, small engine repair and product design. The student will also become familiar with the working of electric motors.

### **ADVANCED METALS – 915**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: METALS II, PERMISSION OF INSTRUCTOR**

Students will have the opportunity to acquire and develop additional skills in arc welding, wire welding and the use of oxyacetylene welding equipment. Students must be able to buy steel for projects.

### **ENGINEERING PRINCIPLES I – 916S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: 1 CREDIT IN H.S. MATH & SOPHOMORE STANDING**

This is a project based course that introduces students to a number of different engineering concepts based around the engineering design process. Students will acquire knowledge and develop multiple skills associated with computer aided drafting, modeling, sketching, measurement, problem solving and team building. Multiple individual and team projects will be completed throughout the semester. Students may be required to work with wood, metal, or plastic to complete projects.

### **ENGINEERING PRINCIPLES II – 917S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: ENGINEERING PRINCIPLES I**

This is a continuation of pre-engineering. Students will continue to further develop skills and knowledge based around the engineering design process. Multiple individual and team projects will be completed throughout the semester. Students may be required to work with wood, metal or plastic to complete projects.

## MATHEMATICS

### **MATH 9 – 600**

**1 YEAR, 1 CREDIT**

**PREREQUISITE: Permission of Instructor**

The first course in a high school sequence addressing content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course is designed specifically for 9<sup>th</sup> graders who struggled in mathematics during their middle school years. Students will be assigned to this class by teacher recommendation and state test scores.

### **ALGEBRA I – 601**

**1 YEAR; 1 CREDIT**

**PREREQUISITE: 8<sup>th</sup> Grade Mathematics**

This course contains the standard topics of first year algebra: properties of real numbers, solving and graphing linear equations and inequalities, systems of equations and inequalities, exponents, properties of polynomials and factoring, quadratic equations and functions, radicals, rational equations and functions, probability and data analysis.

### **GEOMETRY – 602**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Algebra 1**

This course contains the standard topics for a high school geometry class: geometric reasoning, segment measurement and coordinate graphing, angles, parallels, properties of polygons and circles, proportions and similarity, area, surface area, volume, basic trigonometry, transformations, constructions and formalizing proofs.

### **HONORS GEOMETRY – 603**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Honors Algebra 1. Teacher Recommendation.**

Same as Geometry except students will study at a quicker pace and examine the material more in depth. **Students who do not maintain a "B" average may be removed and placed in a regular Geometry class at the semester.**

### **APPLIED ALGEBRA II – 604**

**1 YEAR: 1 Credit**

**Prerequisite: Geometry**

This course addresses high school level algebraic content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course should be taken if attending 2-year trade school or community college.

### **ALGEBRA II – 605**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Geometry**

This course takes topics from Algebra 1 and expands on them. This course should be taken if attending 4-year university. Topics include: equations and inequalities, linear equations and functions, linear systems and matrices, quadratic functions and factoring, polynomials and their functions, rational exponents and radical functions, exponential and logarithmic functions, rational functions, quadratic relations and conic sections, counting methods and probability, data analysis and statistics, sequences and series, and trigonometry.

### **HONORS ALGEBRA II – 606**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Honors Geometry. Teacher Recommendation.**

Same as Algebra 2 except students will study at a quicker pace and examine the material more in depth. **Students who do not maintain a "B" average may be removed and placed in a regular Algebra II class at the semester.**

## MATHEMATICS

### **CONSUMER MATH – 607**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: 3 or More Math Credits**

Consumer Math is designed to provide students with a comprehensive study of the mathematics used in consumer decision-making for the present time and in the future. Topics taught include banking skills, purchases, insurance, investments and taxes. Students who successfully complete the Consumer Mathematics course will be able to solve practical and functional math problems as related to everyday situations.

### **PRE-CALCULUS – 608**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Algebra II**

This is an advanced course for students who desire to study college level mathematics. It is designed to prepare students for college level courses, especially those who want to enter mathematics, engineering, science or other related fields of study. Topics include trigonometry, vectors, matrices, complex numbers, and conic sections.

### **CALCULUS – 609**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: Pre-Calculus**

This course contains college level mathematics for students who desire a fifth year course. It is designed to prepare students for college level courses, especially those who want to enter mathematics, engineering, science or other related fields of study. Topics include limits, derivatives, and integration as well as applications of these topics.

## SCIENCE

### **BIOLOGY – 701**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: REQUIRED OF ALL FRESHMAN**

This introductory course will place emphasis on the unifying concepts of life, the cellular basis of life, energy-releasing pathways, principles of genetic pathways and inheritance, principles of evolution, diversity of organisms, and ecology. These topics will be presented through both laboratory exercises and lectures. This course is required for all freshmen.

### **HONORS BIOLOGY – 702**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: RECOMMENDATION BY FORMER SCIENCE TEACHER; A DEMONSTRATION OF ABOVE-AVERAGE PROFICIENCY OF THE SCIENCE MAP TEST, IN COMBINATION WITH AN AVERAGE GRADE OF A B OR HIGHER**

This introductory course will emphasize and deepen the understanding of the unifying concepts of life, the cellular basis of life, energy-releasing pathway, principles of genetics pathways and inheritance, principles of evolution, diversity of organisms, and ecology. These topics will be resented through laboratory exercises, lectures, and out-of-class assignments.

### **PHYSICAL SCIENCE – 703**

**1 YEAR: – 1 CREDIT**

**PREREQUISITE: REQUIRED OF ALL SOPHOMORES**

Physical science is the study of matter and energy. This introductory course covers measurement, scientific method, properties and changes of matter, atomic structure, and basic chemical concepts during the first semester. Second semester includes types of energy, forces, motion, waves, light, and sound. Proper laboratory skills will be emphasized.

### **HONORS PHYSICAL SCIENCE – 704**

**1 YEAR: – 1 CREDIT**

**PREREQUISITE: 3.25 GPA AND RECOMMENDATION BY FORMER SCIENCE TEACHER**

An in-depth study of the scientific method, properties, matter, atomic structure and chemical concepts. A deeper study of energy forces, motion, waves, light and sound will also be explored. Laboratory skills will be emphasized. Students must demonstrate above-average proficiency on the Science MAP testing and maintain a "B-" or better in the prior year of science.

### **EARTH SCIENCE – 705**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: COMPLETION OF BIOLOGY AND PHYSICAL SCIENCE**

Earth Science is the study of the earth's physical structure and substance, its history and the processes that act on it. The first semester will focus on Physical Geology. This deals with the physical processes and structures associated with the Earth. The second semester will be Historical Geology. This will be the study of the history of the Earth and the different aspects of geology in each of the time periods of the Earth.

### **GENETICS – 706S**

**1 SEMESTER: .50 CREDITS**

**PREREQUISITE: B OR BETTER IN BIOLOGY OR RECOMMENDATION OF SCIENCE TEACHER. COMBINED W/ ZOOLOGY**

An overview of the principles of genetics and their application to contemporary issues. Developments in molecular genetics will be addressed through the chemistry and physiology of the gene and the nature of gene action in cells. Major topics include DNA structure and replication, the chromosomal basis of inheritance, protein synthesis and genetic engineering.

### **ZOOLOGY- 707S**

**1 SEMESTER: .50**

**PREREQUISITE: B OR BETTER IN BIOLOGY OR RECOMMENDATION OF SCIENCE TEACHER. COMBINED W/ GENETICS**

Organisms of the invertebrate phyla will be discussed the first semester while the vertebrate taxons will be considered the second semester in this college preparatory course. This lecture/laboratory course will include the central themes of Physiology, anatomy, and taxonomy.

### **HUMAN ANATOMY & PHYSIOLOGY - 708**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: SUCCESSFUL COMPLETION OF BIOLOGY AND PHYSICAL SCIENCE, JUNIOR OR SENIOR STANDING, SIGNATURE OF SCIENCE TEACHER REQUIRED**

The first semester of this college preparatory course will be devoted to the study of cells, biochemistry, tissues, and the skeletal and muscular body systems. An entire cat will be dissected during the first semester. Second semester includes the nervous, circulatory, digestive, and excretory systems. The study of structure and function will be intermeshed during this course in a laboratory setting.

**CHEMISTRY I - 709**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: BIOLOGY, PHYSICAL SCIENCE AND ALGEBRA I (RECOMMENDED FOR JUNIOR YEAR)**

Topics of this course will include an in-depth study of the states of matter, the structure of atoms, chemical periodicity, chemical bonding, chemical reactions, and reaction theory. Course materials will be presented in laboratory inquiry designed to improve basic laboratory skills. Successful completion of this course is necessary for students to take Chemistry II.

**CHEMISTRY II – 710**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: CHEMISTRY I WITH A C OR BETTER AND COMPLETION OF GEOMETRY**

A continuation of Chemistry I with further in-depth study of prior topics in addition to composition and reaction stoichiometry, acids and bases, gas laws, thermodynamics, nuclear dynamics, and electrochemistry. This course is recommended for senior year and can be taken in conjunction with Physics.

**PHYSICS – 71I**

**1 YEAR: 1 CREDIT**

**PREREQUISITES: ALGEBRA II, 2 SCIENCE CREDITS (RECOMMENDED FOR SENIOR YEAR)**

Physics is a natural science concerned with the principles and laws governing the behavior of the inanimate world. Mechanics, heat, properties of matter, sound light, electricity, and magnetism are some of the topics studied. A good understanding of algebraic calculations is essential for this college preparatory course. While it is allowed to take both Chemistry and Physics at the same time this is not recommended.

**FORENSIC SCIENCE – 712S**

**1 SEMESTER: .50 CREDITS**

**PREREQUISITES: BIOLOGY, PHYSICAL SCIENCE AND JUNIOR OR SENIOR STANDING**

**PERMISSION OF INSTRUCTOR REQUIRED**

An introductory course focusing on the basics of evidence collection and in-depth studies of scientific inquiry. Students will explore sensitive topics such as criminology and forensic histories, death/decomposition, ballistics, blood analysis, crime scene preservation, fingerprinting, trace evidence, DNA analysis. Students will explore both real-world historical case studies and fictional scenarios.

**MARINE BIOLOGY – 713S**

**1 SEMESTER: .50 CREDITS**

**PREREQUISITES: BIOLOGY AND PHYSICAL SCIENCE**

Intended as an introductory course in marine biology, focuses on the ocean environment, the marine organisms that occupy its waters, the marine ecosystem, human impacts, and how the interactions of physical and biological factors interact and influence several other natural phenomena, such as weather, tributaries, and population dynamics. This course will present material in both laboratory and lecture forms with an emphasis on research projects.

## SOCIAL STUDIES

### **WORLD STUDIES 9 – 801**

#### **1 YEAR: 1 CREDIT – REQUIRED OF ALL FRESHMEN**

This study of United States history and its impact on global events covers the period of 1815-1945. The course will recap the ideas of the Enlightenment and Industrial Revolution explaining the relevance to the American and French Revolutions. The students will gain a perspective of the United States from the early days of a confident republic with the Monroe Doctrine to the rise of an industrial giant by the time of American imperialism and the events leading up to and including WWII.

### **U.S. HISTORY 10 – 802**

#### **1 YEAR: 1 CREDIT – REQUIRED OF ALL SOPHOMORES**

This course begins with the post WWII for the United States and the World and carries through the economic boom of the mid-1990's. The Korean Conflict, 1950's, Civil Rights Movement, Cuban Missile Crisis, Vietnam, Watergate, Reagan, Economics, Persian Gulf War, 1992 election, and the modern technological revolution are topics that will be explored throughout the course.

### **AMERICAN GOVERNMENT – 803S**

#### **1 SEMESTER: .50 CREDIT**

#### **PREREQUISITE: JUNIORS OR SENIORS WHO HAVE NOT PASSED GOVT/ECON**

The student will gain knowledge of the structure and function of the American system of government on local, State, and national levels. This course will place emphasis on the legal rights and responsibilities of American citizens. Special content areas will include: The U.S. Constitution, the structure and workings of American government, and comparative economic studies, and the structure and workings of our economic system. A senior project is required for this course.

### **FINANCIAL LITERACY – 804S**

#### **1 SEMESTER: .50 CREDIT**

#### **PREREQUISITE: JUNIORS**

In this course, students will develop personal financial plans for individual well-being. Throughout the course, students will develop financial literacy skills to provide a bases for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing, and risk management.

## ***SOCIAL STUDIES ELECTIVES***

### **HISTORY OF WARS AND REVOLUTIONS I – 805S**

#### **1 SEMESTER: .50 CREDIT**

#### **PREREQUISITE: GRADES 11-12**

This course will study the wars and revolutions of the beginning of civilization with the birth of farming to the examination of economic, scientific, and political revolutions in Greece, Rome, England, France, and United States up to 1800.

### **HISTORY OF WARS AND REVOLUTIONS II – 806S**

#### **1 SEMESTER: .50 CREDIT**

#### **PREREQUISITE: GRADES 11-12**

The course will study the wars and revolutions from 1800 to the examination of economic, scientific, and political revolutions in England, France, Russia, Germany, and the United States up to the end of the second world war.

### **SOCIOLOGY – 807S**

#### **1 SEMESTER: .50 CREDIT**

#### **PREREQUISITE: GRADES 11-12**

This course will help students understand that sociology uses the scientific method to the human interaction. The course will assist students in developing an understanding of the social order in which they live and the diversity of cultures found within a society. Students will develop an understanding and appreciation of other world cultures. Students investigate social problems of today, their causes and possible solutions. Students will be able to identify correctly the characteristic differences among field studies, experiments and survey research. This course will be offered 2<sup>nd</sup> semester.

## SOCIAL STUDIES

### **PSYCHOLOGY – 808S**

**1 SEMESTER: .50 CREDIT**

**PREREQUISITE: GRADES 11-12**

Psychology introduces students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Areas of study will include thought and learning, biological basis of behavior development, interpersonal relationships, abnormal behavior and mental health. The goal is for the student to learn about the basics of psychology and to get perspectives regarding their own behavior. This course will be offered 1<sup>st</sup> semester.

### **CURRENT EVENTS – 809S**

**1 semester: .50 CREDIT**

**PREREQUISITE: GRADES 10-12**

This course will study global issues. Students will explore major events, trends, and issues that have given shape to global concerns. Key concepts will be developed from social, political, and economic perspectives.

## WORK STUDY

### **Career Based Intervention (CBI):**

**Grade Levels - 11th & 12th**

**2 Semesters per School Year**

#### **Prerequisites:**

The student must be able to obtain a work permit. The student must be able to provide his or her own transportation. The student's employer must agree to meet with the coordinating teacher a minimum of five times a school year. Students who have a job before the school year starts will be given first consideration. Students must be approved by the coordinating teacher, parents, guidance counselor, and the high school principal to be in the program.

#### **CBI Related - 1 Credit per School Year/ 0.5 per Semester**

Career Based Intervention is a vocational program designed to provide intervention in the basic academic skills, orientation to the world of work and on-the-job-training. The purpose of the CBI program is to acquaint students with the working world, encourage them to complete graduation requirements and earn a high school diploma. Good attendance and employment must be maintained by students in order to remain in this program.

#### **CBI Job - 2 Credits per School Year/ 1 per Semester**

The student must maintain employment throughout the school year. This employment must be able to be verified by the teacher. The student must average at least fifteen hours per week on the job or a total of 600 hours of employment for the school year.

## **OTHER**

### **YEARBOOK - 990**

**1 YEAR: 1 CREDIT**

**PREREQUISITE: STUDENTS MUST HAVE A B OR BETTER AVERAGE IN ALL ENGLISH COURSES AND PRIOR APPROVAL OF THE INSTRUCTOR**

The course explores yearbook production. Motivated students will learn about layout design, copywriting, photography, advertising, and production techniques. The students will be responsible for producing the yearbook in class. Students will be expected to attend extracurricular events throughout the year. Grades will be based on photography of school and extracurricular activities, active participation in class and completion of assigned pages and sales of business or personal ads.

