



Allen East High School

**2026-2027
Course Descriptions**

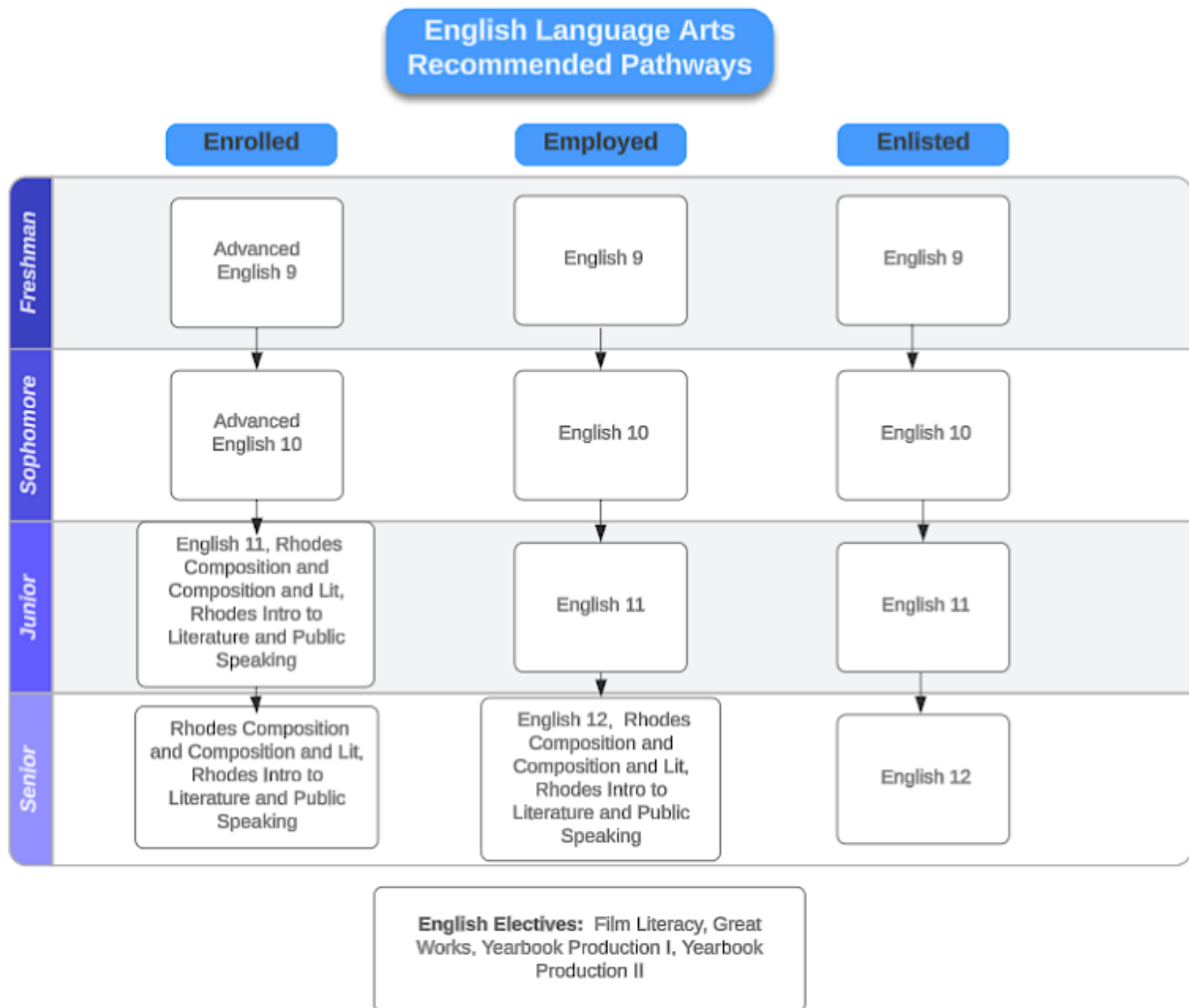
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This document is to be used in conjunction with the Ohio Department of Education graduation requirements. Students and families are responsible to ensure that course selections meet graduation requirements, as well as prepare their students for their future. The offering of courses is subject to a minimum number of students enrolling or requesting that course; not all elective courses can be guaranteed.

English

(4 Credits to Graduate)



English 9: Yearlong Course: 1 Credit

This course covers a range of reading selections (stories, poems, articles, and novels) and levels of text complexity that will help the students prepare for the ELA II End of Course (EOC) exam. Writing assessments will address skills including summary, analysis, argument, and narrative. Students will also be asked to present on multiple occasions with a variety of purposes. Vocabulary acquisition will be addressed in order to develop students' understanding and use of English conventions and writing mechanics. This is a required course for all freshmen. ****There may be online magazine, workbook, and paperback book fees.***

Advanced English 9: Yearlong Course: 1 Credit (Weighted)

Prerequisite: Language Arts 8 teacher recommendation, A/B final grade, and score of proficient or higher on ELA State Assessment.

This course is designed to challenge students who have already displayed significant mastery of skills in reading comprehension and writing previously in 8th grade Language Arts. Assignments may include, but will not be limited to: advanced reading, comparing and contrasting novels, analytical writing, creative writing, and independent study. Advanced English 9 is conditional upon recommendation from 8th grade Language Arts teacher **There may be workbook, and paperback book fees.*

English 10: Yearlong Course: 1 Credit

English 10 is divided into two essential areas. The composition section is designed to demonstrate a competency in expressing and developing ideas in persuasion, description, exposition, and narration. The literature section is an extensive study of drama, short story, non-fiction, and poetry. Emphasis will be placed on how to read and analyze literature and the author's purpose in writing. This is a required course for all sophomores due to ELA II EOC assessment testing. **There may be workbook, and paperback book fees.*

Advanced English 10: Yearlong Course: 1 Credit (Weighted)

Prerequisite: English 9 teacher recommendation which includes grades, class performance, and attendance, and A/B final grade.

This course is designed to challenge students who have already displayed significant mastery of skills in reading comprehension and writing previously in English 9. Assignments may include, but will not be limited to: advanced reading, comparing and contrasting novels, analytical writing, creative writing, and independent study. Advanced English 10 is conditional upon recommendation from the English 9 teacher **There may be workbook, and paperback book fees.*

English 11: Yearlong Course: 1 Credit

This course introduces the student to American authors and relating literature to contemporary social issues. Primary studies center around authors and historical periods as they are related to the literature being studied. Emphasis is placed on the student being introduced to and recognizing the skills of literary analysis. **There may be workbook, and paperback book fees.*

English 12: Yearlong Course: 1 Credit

In addition to continuing composition and vocabulary skills, this course introduces the student to outstanding writers. This course is a survey of domestic and international literature from its beginnings to modern and contemporary eras. Contemporary and classic authors will serve as a basis for examining the historical and literary development of Western thought and values. Works will include nonfiction, essays, plays, short stories and novels. Outside reading will be required. **There may be workbook, and paperback book fees.*

Rhodes State College - COM 1110 — English Composition: Semester Course (3 Semester Hours) 1 High School Credit (Weighted)

Rhodes State College Admissions and Enrollment Requirements. Placement testing may be required.

Provides practice in sound organization and effective expression of ideas in original expository and argumentative compositions as well as the research paper. Extensive discussion of rhetorical modes and editing techniques.

Rhodes State College - COM 2110 — Public Speaking: Semester Course (3 Semester Hours) 1 High School Credit (Weighted)

Rhodes State College Admissions and Enrollment Requirements. Placement testing may be required.

Covers the analysis, formation, organization, development, and delivery of ideas and attitudes within contemporary issues by means of audience analysis and dialogue. Various rhetorical modes and group projects are also included.

Rhodes State College - LIT 2210 — Introduction to Literature: Semester Course (3 Semester Hours) 1 High School Credit (Weighted)

Rhodes State College Admissions and Enrollment Requirements. Placement testing may be required.

Serves as an introduction to the three major areas of literature: poetry, drama, and prose. It provides an overview of the three genres and may focus upon a central theme.

Rhodes State College - COM 2400 — Composition and Literature: Semester Course (3 Semester Hours) 1 High School Credit (Weighted)

Rhodes State College Admissions and Enrollment Requirements. Placement testing may be required.

Builds on the writing foundational skills introduced in COM 1110 and emphasizes critical thinking and communication skills to promote skilled academic writing. Using literature as the course content, students focus upon essay writing in multiple genres. This course aims to develop the student's ability to communicate ideas about literature effectively by using the principles of the writing process. Prerequisites: COM 1110.

English Electives

(These courses will not fulfill the English course graduation requirements; elective credits only.)

Film Literacy: Semester Course ½ Credit

Grades 9-12

Film Literacy will engage students in critical thinking about how the human experience is portrayed through various aspects of film. The course will provide students with the opportunity to analyze a variety of films through critical literary lenses, lighting and staging elements, costuming, directing choices, etc. Students will then craft essays and/or presentations that assess their analytical skills for each film.

Great Works from the Book Shelf: Semester Course ½ Credit

Grades 10-12

This course is a sample of great texts, mostly modern fiction and *New York Times* Best Sellers. This course is similar to how a book club would be modeled. Extensive reading followed by class discussions with some writing required. Books and themes will vary. Content may be mature. **There is a \$15 fee.*

Yearbook Production I: Yearlong Course: 1 Credit

Grades 9-12

Yearbook Production offers students the opportunity to produce a unique record of the year at Allen East High School. Students will learn feature writing, photography, photo editing, computer skills, advertising, and how a yearbook is put together. Students are responsible for raising funds to produce the yearbook, as well as taking pictures and designing pages. Outside of school time for fundraising and photography of events is required.

Yearbook Production II: Yearlong Course: 1 Credit

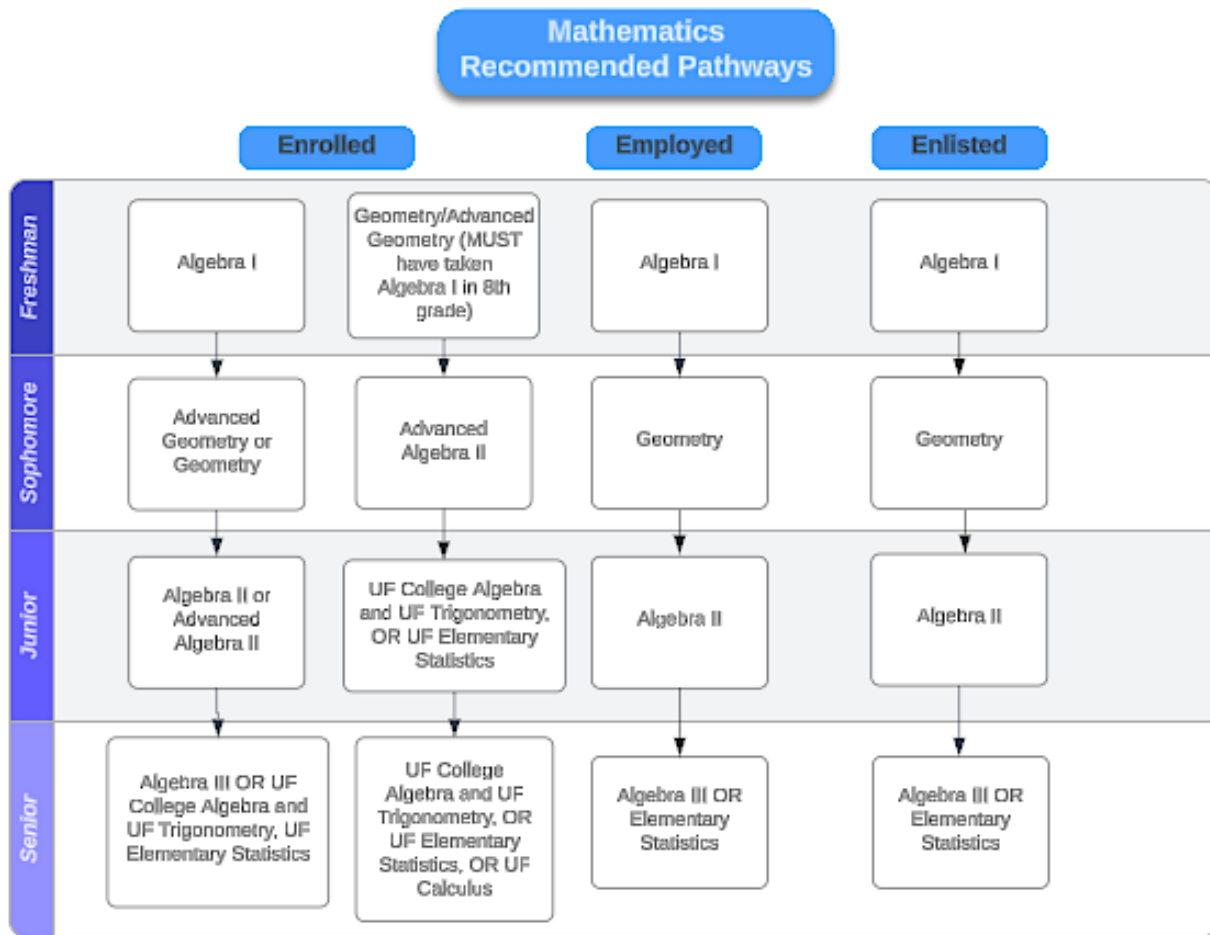
Grades 10-12

Prerequisite: Yearbook Production I

Second, third, and fourth year students will continue building on the skills they started learning in Yearbook Production I. Students will advance their desktop publishing skills, gain a greater understanding of digital photography, and develop fundraising, sales and marketing campaigns. Experienced members take more of a leadership role and aid in the instruction of the first-year students and in editing. Teamwork and out of class event attendance is required.

Mathematics

(4 Credits to Graduate)



Algebra I: Yearlong Course: 1 Credit

Grade 9

In Algebra I, students will discover variables, the process of factoring, solving and simplifying equations and inequalities. Other topics studied consist of quadratic functions and their graphs, roots of equations, writing equivalent forms of equations and inequalities, interpretation of graphs, solving systems of equations, and statistics. A scientific calculator is required for this course, preferably a TI-30XIIS. Students will take the Algebra I EOC in the spring.

Geometry: Yearlong Course: 1 Credit

Grades 9-10

Prerequisite: Algebra I

In Geometry, students will develop logic and reasoning skills as well as various methods of proof. Coursework deals with working with both 2 and 3 dimensional figures and their properties, compass constructions, coordinate geometry, and transformations. The course will also discuss probability/statistics, basic trigonometry, and similar/congruent figures. A scientific calculator is required for this course. Students will take the Geometry EOC in the spring.

Advanced Geometry: Yearlong Course: 1 Credit (Weighted)

Grade 9-10

Prerequisite: Must have a B- or higher in Algebra I and must score proficient or higher on the state test in Algebra.

In Advanced Geometry, students will develop logic and reasoning skills as well as various methods of proof including deriving some theorems. Coursework deals with working with both 2 and 3 dimensional figures and their properties, compass constructions, coordinate geometry, and transformations. The course will also discuss probability/statistics, trigonometry, as well as similar/congruent figures, and more application problems. A scientific calculator is required for this course. Students will take the Geometry EOC in the spring.

Algebra II: Yearlong Course: 1 Credit (Weighted)

Grades 10-11

Prerequisite: Algebra I and Geometry

In Algebra II, students will have a more in-depth study of many ideas from Algebra I. These topics include working with functions, linear systems of equations/inequalities, polynomials, rational expressions, complex numbers, quadratics, and logarithms. A scientific calculator is required for this course

Advanced Algebra II: Yearlong Course: 1 Credit (Weighted)

Grades 10-11

Prerequisite: Must score proficient or higher on state test in both Algebra and Geometry, have a B- in Geometry, AND have math teacher approval.

In Advanced Algebra II, the students will learn Algebra II material at a faster pace and the material will be more in depth. **A TI-83 or TI-84 graphing calculator is required for this course.**

Algebra III: Yearlong Course: 1 Credit

Grades 11-12

In this course, students will study advanced Algebra concepts including rational and radical expressions. The course will continue with the study of trigonometry and its applications. A scientific calculator is required for this course.

Elementary Statistics or MATH 123 Univ. of Findlay CCP Elementary Statistics: Yearlong Course (3 Semester hours): 1 High School Credit (Weighted CCP)

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP Course

Grades 11-12

Prerequisite: Algebra I, Geometry, AND Algebra II or Advanced Algebra II

This is a first course in the study of descriptive and inferential statistics utilizing only rudimentary skills of arithmetic and algebra. Elementary probability, measures of central tendency, measures of variability, confidence intervals, and hypothesis testing. **A TI-83 or TI-84 graphing calculator is required for this course.**

MATH 138 Univ. of Findlay CCP College Algebra: Semester Course (4 semester hours): 1 High School Credit (Weighted)

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP Course

Grades 11-12

Prerequisite: Algebra I, Geometry, AND Algebra II or Advanced Algebra II

This is a pre-calculus course emphasizing the function concept. It includes a study of the properties and applications of algebraic, exponential, and logarithmic functions. Other topics include graphing techniques and complex numbers. **A TI-83 or TI-84 graphing calculator is required for this course.**

MATH 139 Univ. of Findlay CCP Trigonometry 1: Semester Course (3 semester hours): 1 High School Credit (Weighted)

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP Course

Grades 11-12

Prerequisite: C or higher in Univ. of Findlay MATH 138 College Algebra

This is a pre-calculus course emphasizing the function concept. It includes a study of the properties and applications of trigonometric functions. Other topics include trigonometric identities, vectors, and polar coordinates. **A TI-83 or TI-84 graphing calculator is required for this course.**

MATH 141 Univ. of Findlay CCP Calculus 1: Yearlong (4 semester hours): 1 High School Credit (Weighted)

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP Course

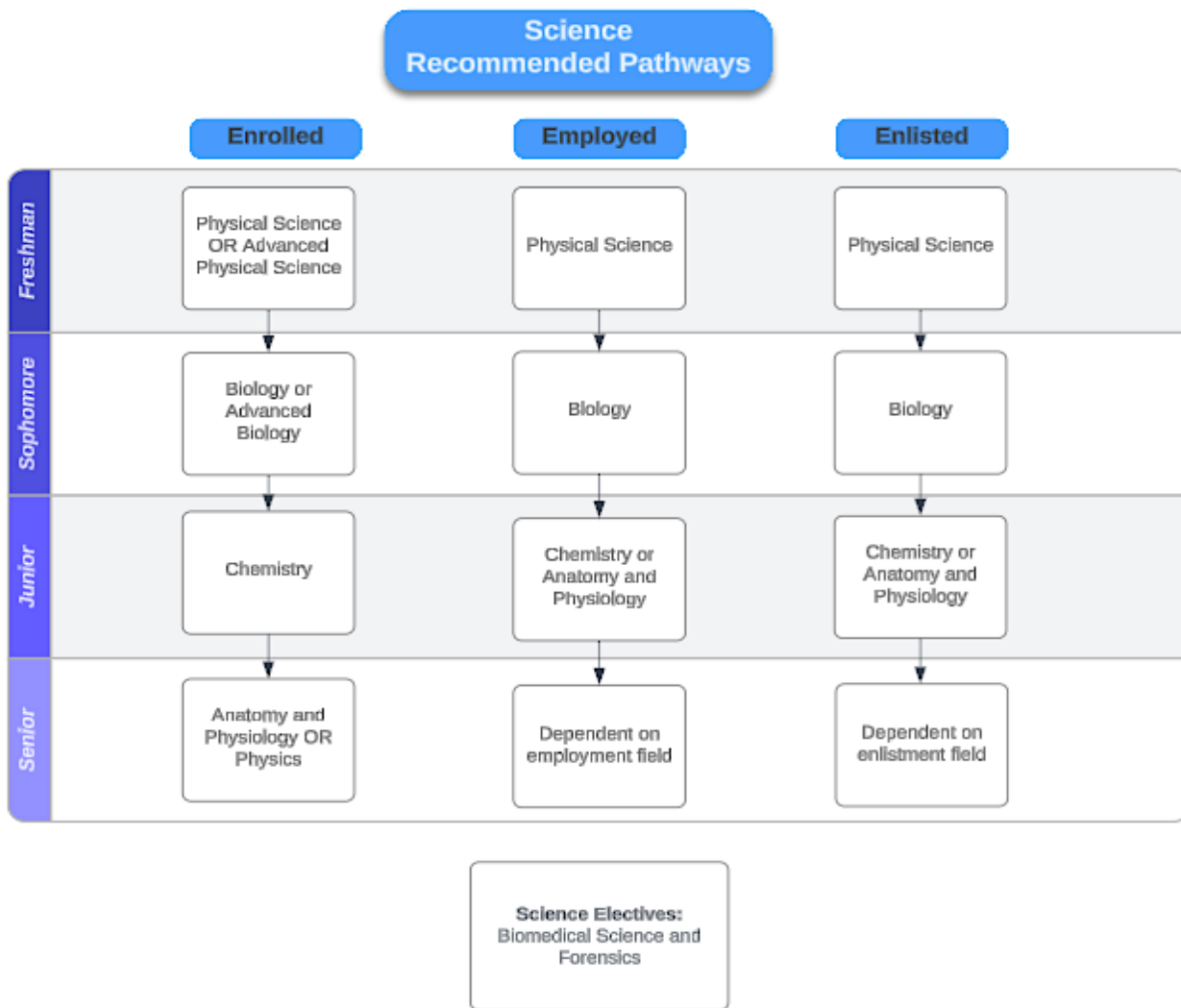
Grades 11-12

Prerequisite: C or higher in MATH 139 Univ. of Findlay CCP Trigonometry

This course is an introduction to a graphical, numerical, and symbolic approach to differential and integral calculus of one variable. Topics cover the rate of change of a function, limits, continuity, rules of differentiation, and definite and indefinite integrals. Applications to the study of motion, optimization, and related concepts in other areas of the natural and social sciences are included. **A TI-83 or TI-84 graphing calculator is required for this course.**

Science

(3 Credits to graduate: Physical, Life, and Advanced)



Physical Science: Yearlong Course: 1 credit (Physical)

Grade 9

All freshmen take Physical Science in order to fulfill students' first science credit. Physical Science is designed to serve as a foundational course to other science courses. It comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy, and motion.

**There is a \$10 lab fee.*

Advanced Physical Science: Yearlong Course: 1 credit (Physical) (Weighted)

Grade 9

Prerequisite: Algebra I AND 8th grade science with A or B average AND teacher recommendation

Advanced Physical Science class is designed to serve as a foundational course to fulfill students' first science credit. It introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. It is a laboratory course that integrates principles of Chemistry and Physics. Topics in Physics will be the study of motion, force, and energy and topics in Chemistry will be the study of matter, classification of matter, atoms and periodic table, and compounds. **There is a \$10 lab fee.*

Biology: Yearlong Course: 1 Credit (Life)

Grade 10

Prerequisite: Physical Science

Biology is devoted to the study of living things. Students will explore cell structure and function, genetics and heredity, evolution and classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function. Students will take the Biology EOC in the spring. **There is a \$25 lab fee.*

Advanced Biology Yearlong Course: 1 Credit (Life) (Weighted)

Grade 10

Prerequisite: A in Physical Science or B or higher in Advanced Physical Science.

Biology is devoted to the study of living things. Students will explore cell structure and function, genetics and heredity, evolution and classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function. Students will take the Biology EOC in the spring. **There is a \$25 lab fee.*

Chemistry: Yearlong Course: 1 Credit (Physical or Advanced)

Grades 10-12

Prerequisite: Biology

This course covers basic principles of chemistry designed to give a foundation for the various sciences. Topics include methods of measurement, temperature and heat, atomic structure, bonding, chemical nomenclature, chemical equations, stoichiometry, gas laws, solutions, acids and bases, electrochemistry, and chemical equilibrium. Laboratory work reinforces the basic principles covered in lecture and introduces analytical techniques. Laboratory experiments cover density, percent composition of mixtures, applying the mole concept, chemical reactivity, chemical reactions with balanced equations, gas laws, titrations, and atomic structure. The labs are a mixture of computer simulations and wet-bench chemistry. A basic scientific calculator is required (TI-25 or equivalent). **There is a \$25 lab fee for Chemistry.*

Physics: Yearlong Course: 1 High School Credit (Physical or Advanced)

Grades 11-12

Prerequisite: Taking or have taken Algebra II .

This course is a study of linear and rotational kinematics and dynamics including Newton's Laws of Motion, conservation of momentum, conservation of energy, heat, and fluids. Emphasis is placed on conceptual understanding, application of physical laws, and problem solving. A variety of lab experiences are coordinated with topics covered in lectures and problems. In these labs data will be gathered, organized, and analyzed. A basic scientific calculator is required (TI-25 or equivalent).

Anatomy and Physiology: Yearlong Course: 1 Credit (Advanced)

Grades 11-12

Prerequisite: Biology I

Anatomy and Physiology is the study of the structures and functions of the systems of the human body. It fulfills the advanced science requirement for graduation. The course includes the dissection of a cat and various organs. **There will be a \$25 lab fee.*

Science Electives

(These courses will not fulfill the Science course graduation requirements; elective credits only.)

Biomedical Science: Semester: ½ Credit (elective)

Grades 9-12

In the introductory course of Biomedical Science, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Forensics: Semester: ½ Credit (elective)

Grades 9-12

Prerequisites: Biomedical Science

Forensic Science introduces the student to the science of crime scene investigation. The course integrates the applications of all fields of science to explore the field of criminalistics. In addition, students will perform historical case studies and survey careers in forensic science. Laboratory activities will give students the opportunity to demonstrate forensic science techniques presented in lecture. **There is a \$25 lab fee.*

Social Studies

(3 Credits to Graduate: World History, American History, and American Government)



World History: Yearlong: 1 Credit

Grade 9

This Modern World History course opens with a brief survey of Geography and focuses on peoples in society, decision making, and citizenship rights and responsibilities. The course will look at these areas individually, as well as interrelated. It starts with a look at the Enlightenment, takes a look at Revolutions throughout history, The Industrial Revolution, Imperialism, World War 1 and 2, The Cold War and recent history focusing on Globalization. The class is in line with new State Standards and will help students achieve a better understanding of the world around them.

American History: Yearlong: 1 Credit

Grade 10

A survey class of social studies that meets the requirements of the new core curriculum's American History course as well as prepares students for the end of course exam. It focuses on American heritage, and the democratic process. The course will look at these areas individually, and also show how they relate to each other, and the ideas and materials in world history. It is also designed to help them gain a better understanding of their heritage as Americans, and the rights and responsibilities that go along with it. This is a required course for all sophomores due to American History EOC assessment testing.

American Government: Yearlong: 1 Credit

Grade 11

This class will highlight events in American Government, and focus on some of the cultural aspects of the periods in question. The class will also look at the changes in government and its role in the United States. Highlight some of its leaders, achievements, errors, and their long-term effects on American society. This is a required course for all Juniors due to American Government EOC assessment testing.

Social Studies Electives

(These courses will not fulfill the Social Studies course graduation requirements; elective credits only.)

University of Findlay HIST 110 History of the United States to 1865. Semester Course (3 semester hours): 1 High School Credit (CCP Weighted) elective

Grades 11-12

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP

This general survey course traces the international multicultural roots of American society, economics, religion, and politics from pre-colonization through the Civil War with a balanced emphasis upon both national development and sub-cultural complexity.

University of Findlay HIST 111 History of the United States since 1865. Semester Course (3 semester hours): 1 High School Credit (CCP Weighted) elective

Grades 11-12

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP

This general survey course traces the modernization and growth of the American nation from the Civil War through the 20th century highlighting its political, international, social, multicultural, religious, economic, and technological transformations, development, and diversity.

University of Findlay PSYC 100 General Psychology: Semester Course (3 semester hours): 1 High School Credit (elective)

Grade 11-12

This course offers an orientation to psychology as the scientific study of behavior and mental processes, with special emphasis on principles of learning, memory, adjustment, abnormal behavior, and the physiology of behavior.

Sociology: Semester Course: ½ Credit (elective)

Grade 11-12

Sociology is an elective course designed to familiarize students with various cultures and the problems resulting from people living in groups. This course covers such topics as culture, subcultures, social institutions, collective behavior, social change, social deviation, the family, religion, racial and ethnic minorities, poverty, and crime. The latter portion of this course deals specifically with the pressing problems of our society, their causes, and possible solutions.

Fine Art Electives

(1 Fine Art Credit Required for Graduation)

Art

Art: Semester: ½ Credit (Fine Art Elective)

Students will investigate contemporary and historical art themes using 2D and 3D media, skills, and techniques. Additionally, students will learn about the critique process and how to evaluate artwork. Students will continuously engage in the art productions process within a studio art environment. Projects may include but are not limited to: Drawing, painting, printmaking, collage, mixed media and sculpture. Students may apply to juried art exhibitions and competitions as well.

Music

Choir: Semester Course: ½ Credit or Yearlong: 1 Credit (Fine Art Elective)

Allen East High School Mixed Choir: Participation in this class is not determined by audition. This course is for individuals who enjoy singing and wish to learn more about the proper vocal production as well as will build their musical literacy skills. Students will have the opportunity to learn and perform music of varying styles. This class is also beneficial in providing students opportunities to develop organizational skills while building individual responsibility and commitment to a group. Participation in concerts is required as it is part of the course grade. All grades are subject to the Allen East High School grading scale.

High School Band: Yearlong: 1 Credit (Fine Art Elective)

The two major instrumental performing groups for Allen East High School are The Mustang Marching Brass and the High School Concert Band. The Brass will perform at all football games, various parades throughout the season, the Allen County Fair Band Showcase in August, the Mustang Brass Marching Band Invitational in mid-October, the Brass-O-Rama Concert at the beginning of November, as well as the Memorial Day Parade in May. The Concert Band is a direct extension of the Mustang Brass and is organized at the completion of the marching band season. The Concert Band performs three concerts a year: the Winter Concert in December, the Contest Concert in mid-February, and the Spring Concert in May. The Concert Band also participates in OMEA Large Group Contest in March and performs for the graduation ceremonies in late May. Participation in High School Band will also include the opportunity to audition for various honor bands and perform chamber and solo music at OMEA Solo & Ensemble.

Mustang Brass Silks: Semester Course: ½ Credit (Fine Art Elective)

Grades 9-12

This course is designed specifically for members of the Mustang Silks that do not play an instrument.

This is a semester-long course that is only available for the **1st semester** and meets at the same time as High School Marching Band so those enrolled would still have to practice with the Brass during class. Performance requirements include: all football games, various parades throughout the season, the Allen County Fair Showcase of Bands in August, the Mustang Brass Marching Band Invitational in mid-October, and the Brass-a-Rama Concert at the beginning of November. The Mustang Silks is open to all Allen East High School students by tryout in March.

Foreign Language

(For Honors Diploma three credits of one OR two credits of each language)

Spanish I: Yearlong: 1 Credit (elective)

Prerequisite: Recommended to have a C in 8th grade ELA to enroll

Spanish I course starts the exploration of all aspects of communication, including the development of listening, speaking, reading, and writing skills. Through an examination of the cultures of Spanish-speaking people, students enhance their understanding of Spanish grammar as they increase their vocabularies and active-communication skills in the target language. By emphasizing on the communicational skills, talking and listening, the main reason for this subject is to start to prepare the student for a globalized world where to speak more than one language is required to succeed.

Spanish II: Yearlong: 1 Credit (elective)

Prerequisite: Recommended to have a C average in Spanish I

Spanish II course continues the exploration of all aspects of communication, including the development of listening, speaking, reading, and writing skills. As in Spanish I, this class will use the four pillars of language to review and strengthen vocabulary, basic grammatical structures of the Spanish language, and Spanish comprehension and communication skills. Spanish II gives the student a better chance to speak the language due to the foundation he brings from Spanish I. The main reason for this subject is to integrate the students in a 70% Spanish spoken environment so they can be prepared for a globalized world.

Spanish III: Yearlong: 1 Credit (elective)

Prerequisite: Recommended to have a C average in Spanish II

Spanish III is offered to highly motivated students who want to be challenged with a fast-paced curriculum. Speaking and reading will be covered in more depth, as well as familiarity with some grammatical concepts. Correct pronunciation and oral proficiency are primary goals. This requires a daily emphasis on listening and speaking. The classroom experience will provide an appreciation and development of cultural awareness through various readings, media resources and authentic materials. In short, my philosophy entails that students should be able to turn the skills and knowledge acquired in the classroom (through Spanish I, II, and III) into a functional experience that can be used to excel by communicating effectively in the Spanish speaking world.

Spanish IV: Yearlong: 1 Credit (elective)

Prerequisite: Recommended to have a C average in Spanish III

In Spanish IV students will continue to study vocabulary and grammar in depth as well as review grammar concepts learned in previous levels of Spanish. Students will further develop creative and expository writing skills through a variety of assignments, such as conducting and compiling survey data and planning a spring break trip. Students will read Hispanic literature and study Hispanic culture and history. The focus of this course is to converse and to develop the student's confidence in his/her conversational skills. Topics of conversation include social issues and current events.

French I: Yearlong: 1 Credit (elective)

Prerequisite: Recommended to have an average of C average in 8th grade ELA

French I introduces basic vocabulary and grammar. Students will begin developing reading, writing, listening, and speaking skills. Students will also study the geography and culture of France. Students will be expected to work cooperatively and collaboratively.

**French II or University of Findlay FREN 125 Elementary French CCP (CCP Weighted):
Yearlong: 1 Credit (elective) (3 semester hours)**

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP

Prerequisite: Recommended to have a C average in French I

After a review of French I vocabulary and grammar, this level leads to more complex concepts. Reading, writing, listening, and speaking skills are further developed. Students will continue to study the geography and culture of France and some of its departments, including a unit about Paris.

**French III OR University of Findlay FREN 130 Elementary French II CCP (CCP Weighted):
Yearlong: 1 Credit (elective) (3 semester hours)**

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP

Prerequisite for French III: Recommended to have an average of C in French II or French 125 is required to enroll in this course

This is a course for students who are self-motivated. Emphasis will be on conversational and grammatical skills. Compositions will be written and conversations will be held about daily life, literature and films. Students will study francophone Africa in which they complete further research on a designated topic on which they will create and complete a presentation.

**French IV OR University of Findlay FREN 215 Intermediate French CCP (CCP Weighted):
Yearlong: 1 Credit (elective) (3 semester hours)**

University of Findlay Admissions and Enrollment Requirements. Placement testing may be required: CCP

Prerequisite for French IV: Recommended to have an average of C in French III or French 130 is required to enroll in this course

This is a course for students who are self-motivated. In addition to reviewing and building on the grammar and vocabulary from previous levels, students will focus on strengthening their conversational speaking and listening comprehension skills. This will be attained via in depth study of the culture and history of France through a variety of methods, among these include classical and contemporary readings. conversational speaking and listening comprehension skills.

Wellness and Physical Education

(½ credit PE required for graduation)

Physical Education: Semester: ¼ Credit

Grade 9

This High School 9th grade PE course will consist of a variety of games which will include games that are lifelong games. Some examples: badminton, pickleball, corn hole, different kickball games, castle ball, volleyball, basketball, etc. We will work on skills, team building, and sportsmanship.

Isotonics/Strength Training I : Yearlong: 1 Credit

***Does not replace physical education ½ credit for graduation**

Grades 9-12

Students will gain an understanding of weight training progression and fitness. Nutrition, training programs and proper technique will be taught. Class requires daily activity in the weight room as well as terminology quizzes and participatory projects.

Isotonics/Strength Training II: Yearlong: 1 Credit

***Does not replace physical education 1/2 credit for graduation**

Grades 10-12

Prerequisite: Isotonics/Strength Training I

Isotonics II is reserved for students that have passed Isotonics I. Isotonics II will explore more advanced lifts and methods, and do more workout writing and development. Students will be held accountable for strength development and advancement as grade measures.

Personal Wellness: Yearlong: 1 Credit

***Does not replace physical education ½ credit required for graduation**

Grades 9-12

This class is designed for anyone wanting to learn about being fit for life outside of team sports. Participation will be based on active days in the gym, weightroom, on the track, playground, field trips to various fitness facilities etc. Grading will be based on participation and personal project completion. Topics will include benefits of getting fit and staying fit throughout life, creating a healthy lifestyle, designing a personal fitness program, principals of fitness, fitness and the heart, strength and endurance training, flexibility, nutrition, managing body fat, injury prevention, consumer of fitness products, and exploring ways to be fit outside of organized sports. ****There will be a \$40 fee for field trips.***

Agriculture Electives

(FFA membership required)

Agriculture, Food and Natural Resources: Yearlong: 1 Credit

Grade 9

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, and power technology. 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. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. This course requires membership and participation in the FFA Organization and will entail a course fee to cover costs of dues and project consumables. **There will be a \$30 fee.*

Animal and Plant Science: Yearlong: 1 Credit

Grades 10-11

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. This course requires membership and participation in the FFA Organization and will entail a course fee to cover costs of dues and project consumables. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. **There will be a \$30 fee.*

Business Management for Agricultural and Environmental Systems: Yearlong: 1 Credit

Grades 11-12

Students will effectively create and carry out events related to the Allen East FFA Program while examining elements of business, identifying organizational structures and applying 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. This course is designed as a partially independent study course. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. This course requires membership and participation in the FFA Organization and will entail a course fee to cover costs of dues and project consumables. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. **There will be a \$20 fee.*

Science and Technology of Food: Yearlong: 1 Credit

Grades 11-12

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 for food science and technology will be identified. This course requires membership and participation in the FFA Organization and will entail a course fee to cover costs of dues and project consumables. Students must receive a passing grade from prior Ag course or receive teacher approval in order to enroll in this course. **There will be a \$60 fee.*

Manufacturing Electives

Manufacturing Operations: Yearlong: 1 Credit

Grade 9

Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance and safety. **There will be a \$30 fee.*

Principles of Manufacturing: Yearlong: 1 Credit

Grades 10-12

Students will apply knowledge and skills required in the application of standard manufacturing practices including planning, design and visualization. Students will learn and apply skills related to interpreting drawings, creating documentation and performing measurements. Additionally, students will use principles and techniques of Computer Numerical Control (CNC), employ scheduling, and practice project evaluation. Students must receive a passing grade from the prior pathway course or receive teacher approval in order to enroll in this course. **There will be a \$30 fee.*

Welding Technologies: Yearlong: 1 Credit

Grades 11-12

Students will use fundamental welding principles involving shielded metal arc, oxyacetylene, gas tungsten and gas metal arc welding in the flat, horizontal and vertical positions. Emphasis is given to electrode selection, equipment setup, operating procedures, welding inspection and testing. Students will learn joint designs and layout and will be introduced to welding codes and standards. Additional topics include employability skills, and an emphasis will be given to personal safety. Students must receive a passing grade from the prior pathway course or receive teacher approval in order to enroll in this course. **There will be a \$100 fee.*

STEM Electives

Mechanisms and Drives: Semester: ½ Credit (STEM Elective)

Grades 9-12

Students will learn the principles and practices of machine operation and machine applications. They will learn how machine components such as gears, belts, sprockets, bearings, clutches, couplings, springs, etc. contribute to the application for which the machine is designed. Students will also examine the basic drives of such mechanisms as electric motors and hydraulic & pneumatic actuators. Students will be using VEX Robotics kits to create different mechanisms and builds. Students will be identifying pros and cons of each mechanism and adapting their builds to fit different criteria. They will program these builds using block coding. Emphasis will be put on the engineering design process and how builds can be improved. Students cannot take this class multiples times.

Industrial Robotics: Yearlong: 1 Credit (STEM Elective)

Grades 9-12

Students will apply the knowledge and skills to program, safely operate, and troubleshoot industrial robots. The students will learn industrial robot operations and system configurations. Throughout the course, students will code, compile, and debug programs using industrial robotic programming language. Students will be using VEX CTE work cell kits to identify the parts of manufacturing operations, safety, and configurations. They will be using a block-based code to run their projects to solve manufacturing tasks. Students will be introduced to FANUC (industrial robots) at the end of the course.

Unmanned Aircraft Systems: Yearlong: 1 Credit (STEM Elective)

Grades 9-12

Students will learn the essentials of operating an unmanned aircraft in a variety of environments. Students will learn principles of regulations, operations, air space, and navigation. Additionally, they will acquire and use geospatial information for various applications. Students will learn to navigate with Rocket drones via games and simulations. Students will learn about FAA flight rules and regulations, play games like drone basketball, drone fishing, and drone musical chairs as well as fly their drones on a simulated virtual course.

General Electives

Intro to Sports Media and Broadcasting: Yearlong: 1 credit (elective)

Grades 10-12

Prerequisite: C in English and Teacher Approval

This course examines different forms of sports media including print, broadcast, and internet and their impact on sports. Students learn the fundamentals of various components of sports media such as writing game and feature stories, writing strategies for broadcast, active voice, internet streaming, shooting on location, anchoring and play by play, and production of the various forms of sports media. This experiential course offers students an opportunity to apply knowledge and skills to sports media activities using the school's athletic programs and athletes as their media focus.

Required Electives

Junior Seminar: Semester: ½ Credit

Required for all juniors

Students will be refining the soft skills needed in their preferred work environments, as well as career requirements. Research will be in depth for each individual utilizing a specific career field and how to achieve this goal. This course will focus on the Three E Program: Enrolled, Enlisted, or Employed. Students will continue with ACT prep and practice tests. They will begin college visits and the application process.

Financial Literacy: Semester: ½ Credit

Required for all juniors

Participate in financial literacy while exploring the total cost of ownership of items. Financial literacy is everything in a person's life that involves money. The focus is on the way individuals meet their personal financial goals through spending, saving, investing and borrowing. Consideration is made to develop an understanding of the relationship between American business and American consumers and their roles in our economic society.

Senior Seminar: Yearlong: 1 Credit

Required for all seniors

This course will focus on having students finalize their path in the Three E Program: **Enrolled, Enlisted, or Employed**. Students on an enrollment pathway will investigate the FAFSA process, college applications, scholarships, check their own credit accumulation, and grade point averages. Students planning to be employed will work with the Ohio Means Jobs coach, complete applications, and practice their soft skills. Those on an Enlistment path will meet with different branches of the military. All seniors will review executive functioning skills, such as financial investments, budgeting, stress and time management, and more. Additionally, students continue service-learning opportunities. This course culminates with a Senior Showcase event.

Digital Academy Electives

Senior Electives

Career Electives: Semester: ½ Credit

Grade 12

Once enrolled, students will be able to choose an elective that goes along with the career path. Some examples of these electives could be Advertising, Animation, Career Explorations in Healthcare, Computing for Careers, Cosmetology, Criminal Justice careers, Cybersecurity, Early Childhood Education, Engineering, Fashion Design, Game Design, Hospitality, Human Services, Interior Design, International Business, Manufacturing, Marine Science, Military Careers, Restaurant Management, and Vet Science.

Freshman Electives

Grade 9

Life Skills I: Semester: ½ Credit

In this introductory course, students will navigate through topics such as time management, healthy environments and relationships, job and communication skills, as well as many other topics that will help students be a successful member of society.

Career Exploration I: Semester: ½ Credit

In this course, students will learn the difference between a job and a career, begin thinking about career options that students are interested in and learning specific workplace skills.

Learning in a Digital World: Semester: ½ Credit

In this course, students will discover what it means to be a responsible digital citizen, expand their digital literacy, and become a successful online student. Students will consider the best ways to find, create, and share information, as well as learn to maximize information and communication technologies.

Sophomore Electives

Grade 10

Life Skills II: Semester: ½ Credit

In this course, students will take a deeper look at themselves and how they can successfully navigate adulthood through topics such as goal setting, life connections, leadership, managing resources and money, and living in today's society.

Career Exploration II: Semester: ½ Credit

In this course, students will look at different types of careers within categories such as creative careers, analytical careers, careers that help people and careers that benefit their community. Students will also practice goal setting and what it looks like to prepare for their future career.

Professional Communication: Semester: ½ Credit

In this course, students will focus on communication in many forms- written, oral, graphic, and technological- in the workplace to enhance career options while learning how to address conflict and communicate with cultural competency.