Haynes Academy for Advanced Studies

2023-2024 SCHEDULING HANDBOOK

HAYNES ACADEMY FOR ADVANCED STUDIES

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Mission Statement

The mission of Haynes Academy for Advanced Studies is to provide an exemplary learning center that encourages students and staff to actively discover, integrate, and apply knowledge in a dynamic, global, and technological environment.

Vision

At Haynes Academy for Advanced Studies, we envision a school in which the community, staff, and students are committed and have an opportunity to contribute, learn, and grow. Haynes strives to be a school where everyone feels valued and respected. Above all, we want a school where students are proud to attend, and parents are proud to send their children.

Graduation Requirements

For High School graduates of 2018 and thereafter.

This includes the 19 Units required for the TOPS Core Curriculum for the Opportunity, Performance, and Honors Awards

Units	**Courses**
ENGLISH – 4 Units	
1 unit	English I
1 unit	English II
1 unit from the following:	English III, AP English Language Arts and Composition, IB English III, CENL 1013 English Comp I (DCC: ENGL 101/110 or ENRE 110; UNO: ENGL 1157), CENL 1023 English Comp II (DCC: ENGL 102; UNO: ENGL 1158), CENL 2153 American Literature I (DCC: ENGL 211; UNO: ENGL 2031), CENL 2163 American Literature II (DCC: ENGL 212; UNO 2032), or CENL 2177 Major American Writers (UNO: ENGL 2041)
1 unit from the following: *You cannot use CENL 1013 or CENL 1023 for your 4th English credit if you used the course for your 3rd English credit.	English IV, AP English Literature and Composition, IB English IV, CENL 1013 English Comp I (DCC: ENGL 101/110 or ENRE 110; UNO: ENGL 1157), CENL 1023 English Comp II (DCC: ENGL 102; UNO: ENGL 1158), CENL 2103 British Literature I (DCC: ENGL 221; UNO: ENGL 2341), CENL 2113 British Literature II (DCC: ENGL 222; UNO: ENGL 2342), CENL 2203 World Literature I (DCC: ENGL 231; UNO: ENGL 2371), CENL 2213 World Literature II (DCC: ENGL 232), CENL 2303 Introduction to Fiction (DCC: ENGL 205; UNO ENGL 2238), CENL 2313 Introduction to Poetry & Drama (DCC: ENGL 206; UNO: ENGL 2208 or ENGL 2228)
MATH – 4 Units	
1 unit	Algebra I
1 unit	Geometry
1 unit	Algebra II
1 unit from the following:	Pre-Calculus, AP Calculus AB, AP Statistics, AP Computer Science A, CMAT 1213 College Algebra (DCC: MATH 130; SELU: MATH 151; UNO: MATH 1125), CMAT 1223 Trigonometry (DCC: MATH 131; SELU: MATH 162; UNO: MATH 1126), CMAT 1303 Probability & Statistics (DCC: MATH 203; UNO: MATH 2314 or 2785), CMAT 2103 Applied Calculus (DCC: 220; SELU: MATH 163), CMAT 2113-5 (DCC: MATH 221 (5 CR HOURS); UNO: MATH 2114 (4 CR HOURS), or CMAT 2123-5 (DCC: MATH 222 (5 CR HOURS); UNO: MATH 2124 (4 CR HOURS)

Units	Courses
SCIENCE – 4 Units	
1 unit	Biology
1 unit	Chemistry
2 units from the following: The units cannot be in the same discipline (group). For example, you cannot take AP Biology and a DE Biology course	**Group 1:** AP Biology, CBIO 1013 General Biology I (DCC: BIOL 101; UNO: BIOS 1053), CBIO 1033 Gen Bio I – Sci Majors (DCC: BIOL 141; SELU: GBIO 151; UNO: BIOS 1083), CBIO 1023 General Biology II (DCC: BIOL 102; UNO: BIOS 1063), CBIO 1043 Gen Bio II – Sci Majors (DCC: BIOL 142; SELU: GBIO 153; UNO BIOS 1073), CBIO 2213 Human A & P I (DCC: BIOL 251; UNO: BIOS 1303), or CBIO 2223 Human A & P II (DCC: BIOL 253; UNO: BIOS 1313), **Group 2:** AP Chemistry, CCEM 1013 General Chemistry Survey I (DCC: CHEM 100; UNO: CHEM 1012), CCEM 1103 Chemistry I (DCC: CHEM 101; UNO: CHEM 1001), CCEM 1123 Chemistry I – Sci Majors (DCC: CHEM 141; UNO: CHEM 1017), CCEM 1113 Chemistry II (DCC: CHEM 102; UNO: CHEM 1002), or CCEM 1133 Chemistry II – Sci Majors (DCC: CHEM 142; UNO: CHEM 1018 **Group 3:** Earth Science, Environmental Science, CGEO 1103 Physical Geology (DCC: GEOL 101; UNO: EES 1000), or CGEO 1113 Historical Geology (DCC: GEOL 102; UNO: EES 2004) **Group 4:** Environmental Science, AP Environmental Science, or CEVS 1103 Environmental Science (DCC: SCIE 142; UNO: EES 1002) **Group 5:** Physical Science, CPHY 1023 Physical Science I (DCC: SCIE 101) **Group 6:** Principles of Engineering **Group 7:** Physics, AP Physics 1: Algebra Based **Group 8:** AP Physics 2: Algebra Based, AP Physics C - Mechanics, AP Physics C – Electricity and Magnetism, , CPHY 2113 Physics I - Algebra/Trig Based (DCC: PHYS 141; UNO: PHYS 1031), or CPHY 2133 Physics I – Calculus Based (DCC: PHYS 221; UNO: PHYS 2061)
SOCIAL STUDIES – 4 Units	
1 unit	US History
1 unit from the following:	Civics, AP US Government and Politics, or AP Comparative Government
2 units from the following: The units cannot be in the same discipline (group). For example, you cannot take	**Group 1:** World Geography, AP Human Geography **Group 2:** AP Psychology **Group 3:** AP European History, European History, Western Civilization, CHIS 1013 Western Civilization I (DCC: HIST 101), or CHIS 1023 Western Civilization II (DCC: HIST 102)

Microeconomics & Macroeconomics	**Group 4:** World History, AP World History, CHIS 1113 World Civilization I (DCC: HIST 103; UNO: HIST 1001), or CHIS 1123 World Civilization II (DCC: HIST 105; UNO HIST 1002) **Group 5:** Economics, AP Microeconomics, AP Macroeconomics, CECN 2213 Macroeconomics (DCC: ECON 201; UNO; ECON 1204), or CECN 2223 Microeconomics (DCC: ECON 202; UNO ECON 1203)
FOREIGN LANGUAGE = 2 Units	
	Both units must be in the same language.
ART = 1 Unit	
1 unit from the following:	Art, Fine Arts Survey, Band, Talented Art course, Talented Music course, Talented Theatre course, Theatre Design and Technology, Engineering Design and Development
HEALTH/PHYSICAL EDUCATION = 2 Units	
1 unit from the following:	Physical Education I or JROTC I
1 unit from the following:	½ unit Health & ½ unit Physical Education II or JROTC II
ELECTIVES = 3 Units	
	Every course that is offered by Haynes Academy counts as an elective course as long as it is not being used as one of the required units.

Please see the TOPS University (College Diploma) Course Requirements for weighting information on the Louisiana Department of Education website louisianabelieves.com

Required State Testing

In order to meet the graduation requirements, students must pass the LEAP 2025 High School Assessments in the following subjects: English I, English II, Algebra I, Geometry, Biology, and US History

Louisiana's Financial Aid Access Policy

In order to meet the Louisiana Financial Aid Policy, students must complete one of the following:

- Submit a FAFSA application;
- Submit an opt-out non-participation form

TOPS

For the latest information, call the Louisiana Office of Student Financial Assistance (LOSFA) at 800-259-5626 or visit the website at www.osfa.la.gov.

Advanced Placement Courses

AP courses provide students access to rigorous college-level work and the opportunity to earn college credit while still in a supportive high school environment. There are many benefits to challenging yourself in an AP course. AP courses are a way to set yourself apart in the college admissions process, save money by reducing the number of college courses, and enhance skills that will ensure collegiate success. For more information, please visit apstudent.collegeboard.org. Please check with individual colleges for credit information.

Thanks to our talented and knowledgeable faculty, we are currently able to offer the following Advanced Placement courses:

- English: AP English Literature and Composition
- Mathematics: AP Calculus AB and AP Statistics
- Science: AP Biology, AP Physics
- Social Studies: AP Comparative Government, AP European History, AP United States History, and AP Psychology
- Arts: AP Music Theory, AP Studio Art: 2-D, 3-D, and Drawing
- Computer Science: AP Computer Science Principles, AP Computer Science A

Dual Enrollment

Students in grades 11 can earn college credit on our campus through Southeastern. Students in grades 11 and 12 can earn college credit on campus through Southeastern or go off campus to Delgado or UNO. Students must have successfully passed an AP exam (3+) or a CLEP exam (50+) to participate in off-campus dual enrollment courses. Please see the Haynes Academy Dual Enrollment Handbook for additional information. Parents and students will be expected to sign a contract for leaving campus early.

Early Release

Students in grade 12 only can leave school after block two if they have met all of the following criteria:

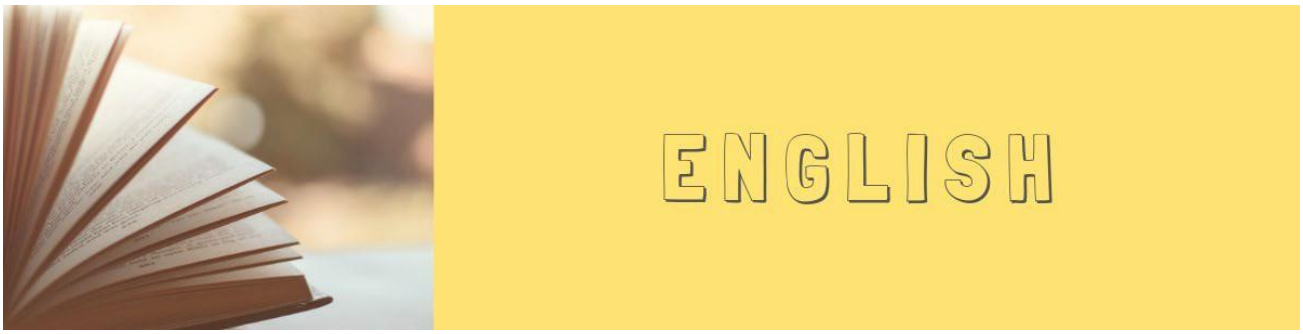
- One of the following exam scores
    - 3 or better on an AP test
    - Passing score on a CLEP test
    - Advanced IBC (Inventor, Adobe, Swift, etc)
- 27 or higher on the ACT or enrolled in ACT prep in the fall
- Need 4 or less credits to graduate

Honors, Gifted and Talented

All core courses are honors courses at Haynes Academy. Students that have been identified as gifted and/or talented will be enrolled in sections designated as Gifted or Talented whenever available. All

students have the option of selecting Advanced Placement (AP) or dual enrollment (DE) courses provided they have met the requirements. For the Class of 2025 and beyond, Talented Courses are designated as honors courses.

Course descriptions



English I

In this advanced college preparatory Language Arts course, students develop their reading, writing, listening, speaking, and critical thinking skills. Students read, analyze, and compose essays about challenging works of American and British literature while applying rules of grammar and mechanics to their writing. Longer literary works in this course include Fahrenheit 451, The Tragedy of Romeo and Juliet, and To Kill A Mockingbird. In addition to literary analysis essays, students follow the writing process while composing narrative, expository, and argumentative essays – with an emphasis on citing strong textual evidence and integrating rhetorical appeals. In addition to reading and writing, students will be expected to give oral presentations and participate in debates throughout the course – both independently and in small groups, as well as hone their group interaction skills. Special attention is given to prepare students for the LEAP 2025. This course is paired with Intermediate Composition H. (2 semesters)

English II

English II is a literature survey course. Readings range from historical texts to Shakespeare, with at least one novel-length work assigned each quarter as outside reading. Students analyze the components of various works, examine universal themes as well as methods employed by individual authors, increase their knowledge of literary terminology, and begin their study of rhetorical elements. Students will write a variety of essays, both in and out of class. English II allows those enrolled to develop vocabulary and test-taking skills. Special attention is given to prepare students for the LEAP 2025.

English III

English III is a survey course in American Literature. The Louisiana State Standards for grade 11 are taught, and America classics such as The Scarlet Letter are taught. In writing, the five-paragraph essay is reinforced through in-class essays. Additionally, students will continue to refine their analytical skills with focuses upon fiction, non-fiction, historical texts, and poetry. Vocabulary, rhetorical devices, and independent novels each play a key role in preparing students to succeed in English IV. ACT and PSAT preparation are also given attention during this course. All students will take the Analyzing and Interpreting Literature CLEP exam upon completion of this course.

English IV

English IV aims to prepare students to succeed whether they are preparing for college or AP Literature. The course is a survey of British literature from Beowulf to modern poets. Students will work towards mastering their writing skills through the course's focus on daily writing. College level vocabulary terms will be assigned each day with cumulative quizzes given periodically over the semester. PSAT and ACT preparation is included in daily instruction to ensure student success. All students will take the College Composition Modular CLEP exam upon completion of this course.

AP English Literature and Composition

Advanced Placement English Literature and Composition is designed to prepare the student for the AP English Exam in May. Since this course will earn the student college credit, it is taught on the collegiate level. The first part of the exam consists of 55 multiple choice questions (60 minutes) with a focus on analysis of poetry and prose. The second part of the exam will be three analytical essays (2 hours): one on poetry, one on prose, and one on a novel (40 minutes per essay). Hence, the course will be a close study of different genres from world literature. Each twelve weeks will cover a portion of the exam, and multiple choice will be ongoing practice. Two novels will be read each nine weeks to prepare for the novel question of the exam. Weekly essays will focus on assertions, themes, and analytical depth. The first twelve weeks will focus on the prose analysis essay, the second twelve weeks will cover the poetry analysis essay, and the last twelve weeks will focus on the novel analysis essay with a concentration on drama. For a full-length course description by the College Board, please use this link: AP Literature. This course is paired with Advanced Creative Writing Honors. Prerequisites: Seniors only; completion of English IV. (2 semesters)

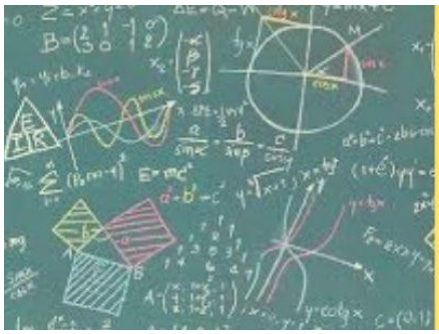
Creative Writing Honors

Like every other English class in high school, the aim of this class is to help students master the language, but in the case of this class in particular is to practice the *art* of writing, rather than just reading and writing *skills.* Students will explore the fundamentals of a variety of creative writing genres (I.E. poetry, short fiction, journalism, etc.) and will practice these elements to write capably in several styles. Throughout the course of the semester, each student will develop a personal portfolio of creative writing work and will contribute to a digitally published school literary journal. The end goal of this class is for each student to develop a body of work and for the class to create an anthology in the form of a literary journal each semester.

College Composition II, DE

Students produce no fewer than two projects, comprising at least 5000 words (total), 3000 of which are formally assessed. At least one project must be argumentative. In all projects, students employ a range of research methods, integrate others' ideas effectively, engage in discourse, and apply appropriate rhetorical strategies (e.g., considering opposing viewpoints). Participating in the writing process, inquiring, researching, drafting, reflecting, and revising is essential in producing successful projects. Students who successfully complete ENGLE 1158 demonstrate proficiency in applying the rhetorical strategies, critical thinking skills, and writing conventions deemed essential for success. (Units

3.00/3.00) Prerequisites: ACT English score of 28+ or 50+ on the CLEP Composition Modular Exam and a passing score on a departmental essay.



MATHEMATICS

Algebra I

This course is designed to formalize and extend the mathematics that students studied in the middle grades. Students will deepen and extend their understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. Special attention is given to prepare students for the LEAP 2025. This course is paired with Transition to Math Studies H. (2 semesters)

Algebra II

Algebra II explores in detail the mathematics of functions. Students will be challenged to investigate, discover (as well as describe), and explain the mathematics of real-world applications. Students perform multiple operations on real numbers, matrices, polynomials, complex numbers, exponential expressions, and logarithmic functions. Students will graph and find zeros and other critical information of polynomial, exponential, and logarithmic functions. Students express mathematical ideas through speaking, writing, demonstrating, and modeling. Prerequisite: Geometry H

AP Calculus AB

This course is equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students use technology to solve problems, illustrate concepts, interpret results, and support conclusions. This is a rigorous math course, where college credit in calculus may be earned. This course is paired with Calculus H. Prerequisite: “A” or “B” in Pre-Calculus H (2 semesters)

College Algebra, DE

This course, MATH 161, is offered online through SELU and proctored on campus by a certified math teacher. College Algebra is a study of families of functions and their graphs. The functions studied include linear, quadratic, polynomial, rational, exponential, and logarithmic. Functions will be used to model and solve application-based problems. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Note: Students must purchase an access

code and a TI-30XIIS calculator. Students must be in their junior or senior year to take this course. Prerequisite: Algebra II H and an ACT Math score of 20+

Elementary Statistics, DE

Elementary Statistics DE is a college level introduction to statistical reasoning and is the equivalent to SELU's Math 241. Topics include graphical display of data, measures of central tendency and variability, sampling theory, the normal curve, standard scores, Student's T, Chi Square, and correlation techniques. The typical weekly structure of the course includes in-class instruction, computer work (MathXL), and out-of-class assignments. Computer and internet access are necessary for completion of all assignments, both in and out of class. Evaluations will be based on homework, quizzes, supplemental in-class paper assignments, tests, a final exam, and course participation. Prerequisite: Successful completion of DE Math161 or ACT Math subscore of 28+

Geometry

Geometry includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Special attention is given to prepare students for the LEAP 2025. Prerequisite: Algebra I H

AP Precalculus

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

AP Statistics

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating parents, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Prerequisite: Algebra II H; Priority will be given to seniors.

Trigonometry, DE

This course, MATH 162, is offered online through SELU and proctored on campus by a certified math teacher. Trigonometry is the study of trigonometric functions. Topics include the laws of sine and cosine, the trigonometric functions and their graphs, inverse trigonometric functions, trigonometric identities and equations, complex numbers, graphs of parametric equations and graphs in polar coordinates. Trigonometry and trigonometric functions will be used to model and solve real world

applications. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Note: Students must purchase an access code and a TI-30XIIS calculator. Students must be in their junior or senior year to take this course. Prerequisite: Successful completion of DE Math161 or ACT Math subscore of 28+

Biology I

Biology I provides a fundamental overview of living things. Labs are an integral part of the class. It is taught thematically with an emphasis on evolution, genetics, homeostasis, and the unity and diversity of living things. Special attention is given to prepare students for the EOC.

Biology I DE (General Biology I)

This course, GBIO 151, is offered online through SELU and proctored on campus by a certified science teacher. Principles of biology from the cellular level including biochemistry, cell biology, metabolism, photosynthesis, molecular biology, and genetics. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Students must be in their junior or senior year to take this course. Prerequisite: Biology I H and Chemistry I H

Biology II DE (General Biology II)

This course, GBIO 153, is offered online through SELU and proctored on campus by a certified science teacher. A systematic study of the structure, function, evolution, ecology and relationships of organisms including viruses, bacteria, protists, fungi, plants, and animals. The course is designed for students planning to major in biology or a related discipline. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Students must be in their junior or senior year to take this course. Prerequisite: Biology I DE and Chemistry I H

AP Biology

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Prerequisite: Biology I H

Chemistry I H

Chemistry I is a course in which students will learn facts, formulas, and principles that compose the language of chemistry. A variety of chemical topics including scientific measurement and problem-solving, physical and chemical changes, atomic theory and structure, formula writing, chemical reactions and equations, stoichiometry, states of matter, chemical bonding, solutions, equilibrium, acids and bases, oxidation-reduction reactions, and electrochemistry, as well as laboratory experiences, will be covered. Prerequisite: Biology I

Chemistry I for Science Majors DE

This is an LSU Integrative Learning Core approved course. Topics include chemical bonding, stoichiometry, aqueous solutions, and the fundamental quantum mechanics responsible for the origins of the chemical and physical properties of atoms, molecules, and materials. Emphasis is on developing learning skills to deeply understand complex inter-connected concepts and strengthening thinking skills needed to be successful in college. This course builds conceptual understanding and problem-solving skills. It should be noted that this course is more rigorous than AP Chemistry. [High school course code: 150420] Prerequisite: minimum 2.5 HS GPA; a minimum score of 25 on the ACT.

AP Physics I

AP Physics I is an algebra-based, introductory college-level physics course. The course covers topics that include kinematics, dynamics, energy, gravitation, torque, rotational motion, and simple harmonic motion. Although this class counts as a science course, there is a very heavy emphasis on mathematics and modeling. This course is recommended for future engineers and doctors. Note, if students have taken Physics H, they can still take AP Physics. Prerequisite: Algebra II; it is highly recommended that you have earned an A. Physics H is NOT required for AP Physics.

Principles of Engineering

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students continue to enhance their skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentations. The second half of the course will focus on using LearnCNC™ virtual mills and lathes to teach the students the principles of machining. At the end of the course, students will have a basic foundation for taking several NIMS certifications. ONLY students enrolled in the Pre-Engineering Pathway can take this course.

Human Anatomy and Physiology, DE

This course is a study of human structures and functions of cells, tissues, integumentary, skeletal, muscular, and nervous systems. (Prerequisites: DE BIO 151). Offered in the fall and spring of each year.

Earth Science, DE

This UNO course is a lecture based online science course. It is a study of the structure and properties of materials composing the earth and processes which form and alter the crust including erosion, igneous activity, mountain building, glaciation, earthquakes, and oceans. Credit in EES 1000 and/or 1001 and EES 1008 will not be allowed. (Units 3.00/3.00) Prerequisite: this course is a seniors only class.

SOCIAL STUDIES

Civics

Civics is designed to explore the origins of government political theory, and the American political system. In addition, many local, national, and global social issues will be discussed and debated. This course will also review basic economic systems, as well as methods for analyzing financial institutions. The role of the citizen (politically, socially, and economically) is at the heart of this course.

AP European History

AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity. Students in grade 10 and above can take this course.

AP Psychology

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. Students in grade 10 and above can take this course.

United States History

United States History includes basic geographic, economic, social, political, and historical developments following reconstruction and the westward movement. Special attention is given to the impact of industrialization and urbanization, the changing roles of social classes and minority groups, the experience of depression and reform attempts, and America's rise to global power, including relations with the Communist world. Students will identify ways to solve problems, make decisions, and participate as a responsible citizen of the United States, while developing basic skills of historical interpretation, research, and analysis. This course is for juniors only; a gifted section of this class will be offered.

AP United States History

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. History course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. This course is paired with United States History H. Juniors and seniors are eligible for registering for this course. (2 semesters)

AP Comparative Government and Politics

A college-level course where students learn about systems of government and political life in countries outside the United States. The course examines the politics and government of a variety of nations, including China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. The material for this course is broken down into five units: political systems, regimes, and governments; political institutions; political culture and participation; party and electoral systems and citizen organizations; political and economic changes and development.

THE ARTS

While only one unit from the Arts is required for graduation, we strongly encourage all students to further their education in the different arts as part of a well-balanced education. The arts are central to our humanity. They inspire us, spark creativity and innovation, bring people together, and have a positive impact on your health. The arts are fundamental to all fields of study. If you think of the latest iPhone, Galaxy, car, household appliance, building, or even a plate of food at your favorite restaurant, they are all beautiful as well as functional or delicious.

The American Musical Conference published a study by physician and biologist Lewis Thompson whose outcome determined that sixty-six percent of music majors who applied to medical schools were admitted. This percentage was more than any other category including biochemistry majors. Only forty-four percent of the biochemistry majors who applied to medical schools were accepted according to Dr. Thompson's study. The author Grant Venerable, who wrote The Paradox of the Silicon Savior, has been quoted as saying, "the very best engineers and technical designers in Silicon Valley are, nearly without exception, practicing musicians."

Art

Art I, Talented Art I-IV

The student is introduced to or reviews the elements and/or principles of design composition and exploratory approaches as applied to drawing, painting, printmaking, sculpture, pottery and crafts with some demonstration of skills. Students' are introduced to new media and techniques with each additional art class. Focuses include the human form and self as well as 3-Dimensional art forms. Students work on refining their skills and creating a portfolio. Students must be classified as talented music to enroll in these courses. Students must be classified as talented visual arts to enroll in Art I – IV talented.

Art II (Non-Talented)

The student continues their study of the elements and/or principles of design composition and exploratory approaches as applied to drawing, painting, printmaking, sculpture, pottery and crafts with some demonstration of skills. Students' are introduced to new media and techniques within each additional art class. Focuses include the human form and self as well as 3-Dimensional art forms. Students refine their skills and create a portfolio.

AP Studio Art: 2-D Design, 3-D Design, and Drawing

Our Art Department provides individual attention to students to choose the best AP Program for their skill set. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. This course is paired with Art IV. The descriptions for the three AP Studio Art Programs are as follows:
The 2-D Design portfolio addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way.
The 3-D Design portfolio involves decision making about how to use the elements and principles of art as they relate to the integration of depth, space, volume, and surface, either actual or virtual.
The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulations, the illusion of depth, and mark-making. Prerequisite: Art IV

Art History, DE

Survey of World Art History II. Chronological survey of Western art and architecture from the Late Middle Ages through the Contemporary eras. The goal of this course is to introduce the student to the chronology of the visual arts as well as the various mediums and processes which are incorporated in creating those works. At the survey level we explore the major monuments in art history and discuss them in socio-cultural terms. Students will distinguish among the various historic styles and periods in art, learn the important artists and their major monuments in art, and will recognize major works of art from each of the art styles and time periods studied.

Band

The Yellow Jacket Band is a fantastic experience for students. In addition to the Marching and Symphonic Bands, students can participate in the Jazz and Mariachi Bands. Many of our band students have earned scholarships to play at the collegiate level. No experience is necessary to get started!

Band - Beginner

Beginner Band emphasizes the study and performance of music. It is for any student who has little or no proficiency in the fundamentals of notation, technique and reading skills. It also includes the study of different styles of music. There is no after school practice.

Band – Marching (Advanced)

Marching band pursues the study and performance of marching music at a high level as well as fundamentals of marching. Marching band is offered in the fall. Students in Grades 9 and 10 can use marching band as a PE credit. It is open to all students who have previous playing experience. Students are required to demonstrate yearly improvement on their instrument by meeting certain specified grade level expectations for each instrument as determined by the director. All symphonic members are expected to attend after-school rehearsals two days per week. The Marching Band performs at all home football games as well as an occasional away game. Prerequisite: Beginner Band or Band Director approval

Band - Symphonic (Advanced)

Symphonic band takes place in the spring semester and pursues the study and performance of concert music at a high level. It is open to all students who have previous playing experience. Students are required to demonstrate yearly improvement on their instrument by meeting certain specified grade level expectations for each instrument as determined by the director. All symphonic members are expected to attend after-school rehearsals two days per week as well as festivals and concerts as scheduled by the band director.

Music

Our award-winning music department strives to provide the best possible training in music performance, music theory, and ear-training. We value each individual's desire to express themselves musically and train them to work as collaborators and soloists. We believe that research which concludes that the study of music increases language abilities, emotional resilience, empathy, attention span and focus, and self-confidence are true. We at Haynes Academy have the unique ability to provide training in Music Production and work closely with the Haynes Academy Theater Department to provide as many performance opportunities as possible.

Talented Music I-IV

Talented Music I-IV are specialized courses for students deemed talented in instrumental and/or vocal music. During their tenure at Haynes Academy, students will master beginner to advanced music theory, ear training, and performance skills. Having knowledge and a firm foundation in music theory and ear-training skills can be a financial asset when entering collegiate level music, if this is in your future. Students with the aforementioned skills often test out of courses, saving valuable tuition dollars! Also, if you desire to compose music, these skills are rudimentary to your progress. We will have a blast working hard to develop these skills each year! Students will have required performances each year. Students must be classified as talented music to enroll in these courses.

AP Music Theory

AP Music Theory corresponds to two semesters of a typical introductory college music theory course covering topics such as musicianship, theory, musical materials, and procedures. Students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Contact Mrs. McLean for additional information. Prerequisite: Intermediate Music Background

Music Appreciation, DE

This is a hybrid course with all content delivered online through MoodleDE OR face-to-face by Southeastern faculty. The Southeastern instructor of record will develop course content and provide powerpoint notes, ungraded instructional assignments, exams, and exam study guides to help prepare students to complete the exams which are also provided by the Southeastern instructor of record. The high school teachers will act as a facilitator and assist with student registration and enrollment, proctor

exams as necessary, and through supplemental instruction, serve as a daily learning resource for students as they assimilate course content. The students' final course grades are assigned by the instructor of record.

Theatre

Theatre I, Theatre I-IV Talented

The Talented Theatre program offers students who possess unique talent in the performing arts the opportunity to further develop their skills in an accelerated environment. Students develop their craft through rehearsals and performances, learn the historical and cultural significance of works of theatre, analyze the impacts of theatre on thoughts and emotions, and develop a deeper appreciation for theatre arts. Talented Theatre students are afforded the opportunity to work with their peers at a high level and to create and collaborate on authentic theatrical experiences. Students must meet IEP goals to remain in the program. Students must be classified as talented theatre to enroll in Theatre I-IV talented.

Theatre Design and Technology

This class emphasizes Theatrical Design. Students explore all aspects of theatrical production including costumes, make-up, set design, lighting, sound, and stage management. Students will get to put their learning into practice as a crew member in the department's production. Experience or involvement with the Theatre Department preferred.
Contact Ms. Francis for more information.

Introduction to Theatre, DE

A course designed to impart a deepened appreciation and understanding of today's theatre by surveying both contemporary techniques and the contribution of theatre to world culture. Consideration of the interrelation of all aspects of theatre production and the contributions of various related arts.

Acting I (Non-Talented)

The Theatre program introduces students to the performing arts. They are given the opportunity to develop their craft through rehearsals and performances, learn the historical and cultural significance of works of theatre, analyze the impacts of theatre on thoughts and emotions, and develop a deeper appreciation for theatre arts.

WORLD LANGUAGES

Spanish I

Spanish I is an introduction to the Spanish language and culture. Emphasis will be placed on vocabulary, grammar, reading, and writing as well as the development of pronunciation, speaking, and listening skills.

Spanish II

This course will enhance and develop skills learned in Spanish I. The class will include advanced grammar, vocabulary, and additional verb tenses, as well as increased conversation and composition skills. Prerequisite: Spanish I H

Spanish III

This is an advanced course in which communication and reading skills will be further developed. Special emphasis will be placed on both written and oral communication based on literature and cultural readings. Prerequisite: Spanish II H

Spanish IV

This is an advanced course in which communication and reading skills will be further developed. It encompasses aural/oral, reading comprehension, grammar, and composition. The emphasis of this course is the use of Spanish for active communication. Prerequisite: Spanish III H; Course can be taken without taking AP Spanish. This will be a course offered in the Fall with AP Spanish in the Spring.

AP Spanish Language and Culture

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students; awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a

culture); and perspectives (values, attitudes, and assumptions). Prerequisite: Spanish IV H; Offered in the Spring following Spanish IV H.

PE & ROTC

Physical Education I

PE I emphasizes physical fitness, coordination conditioning and team sports competition with an aim toward improvement in individual skills and techniques in each activity. State curriculum guides for Comprehensive Health Education & Physical Education are followed. Students need a PE uniform as they are expected to dress out daily.

Physical Education II & Health

PE II is a continuation of the skills taught in PE I. Skills that are taught are physical fitness, coordination, conditioning, and individual and team sport competition. Health focuses on CPR, substance abuse, nutrition, and communicable diseases will be covered. State curriculum guides for Comprehensive Health Education & Physical Education are followed. Students need a PE uniform as they are expected to dress out daily.

Physical Education III & IV

These elective education courses cover lifetime health and fitness goals as well as individual and team sport competition. Students need a PE uniform as they are expected to dress out daily.

AFJROTC I - IV

Air Force JROTC provides leadership training and an aerospace science program for high school students. Secondary school students who enroll in the AFJROTC program are offered a wide variety of curricular and extra-curricular activities. The program explores the historic and scientific aspects of aerospace technology and teaches high school students self-reliance, self-discipline and other characteristics found in good leaders. The AFJROTC program is open to 9th-12th grade students who are citizens of the United States. The program is not a recruiting tool for the military services and those students who participate in AFJROTC do not incur any obligation to the Air Force.
The objectives of Air Force Junior ROTC are to educate and train high school cadets in citizenship and life skills; promote community service; instill a sense responsibility; develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values of "integrity first, service before self, and excellence in all we do."

Band – Marching (Advanced)

Marching band pursues the study and performance of marching music at a high level as well as fundamentals of marching. Marching band is offered in the fall. Students in Grades 9 and 10 can use

marching band as a PE credit. It is open to all students who have previous playing experience. Students are required to demonstrate yearly improvement on their instrument by meeting certain specified grade level expectations for each instrument as determined by the director. All symphonic members are expected to attend after-school rehearsals two days per week. The Marching Band performs at all home football games as well as an occasional away game. Prerequisite: Beginner Band or Band Director approval

ELECTIVES

Humanities

ACT Prep

The purpose of this one semester class is to help prepare college-bound students to score adequately on their ACT test and/or to raise their ACT score to a higher level. With renewed emphasis at the local, state, and national levels to improve test scores, ACT Prep is a course that was created to improve those scores. Contact Mr. Lampo or Ms. K. Miller for additional information. This course is open to Seniors only in the Fall semester with priority given to students with ACT Composite < 27.

Film Study

Students will learn to appreciate the art of filmmaking through viewing, discussing, analyzing, and interpreting classic films from a list of films on the AFI's (American Film Institute) "Greatest" 100 movies. Students will learn the basics of telling compelling stories through film through techniques, styles, genres and historical background for hundreds of classic Hollywood and other American films in the last century, a wealth of film reference material of all kinds, a famous film quotations quiz, and a complete Academy Awards(Oscars) History and detailed Film History. Genres: Action, Comedy, Westerns, Horror, Drama, War, Epic/Historical, Musicals/Dance, Science Fiction, Crime & Gangster, and Adventure. Students must be in their sophomore, junior, or senior year to take this course. A parent permission slip is required and linked here.

Independent Projects

This class is for college bound juniors planning on taking the PSAT, SAT, and ACT during the coming year. Nearly all undergraduate colleges and universities require potential students to take either the SAT or ACT. To stay competitive with other prospective students, Haynes Academy recommends taking both the SAT and the ACT and requires that every freshman, sophomore, and junior take the PSAT. This course will prepare you for all question types found on the SAT and ACT. We will analyze each section from each test, giving special consideration to Critical Reading, Math, and Writing which are on both the SAT as well as the ACT. By mastering each section, not only will you increase each score but also decrease any test anxiety you might have. The goal of this class is to allow you to achieve the score you want on each test and ideally eradicate the need to retest your senior year. Topics will include critical reading for textual evidence, grammar, essay writing, scientific concepts, and each type of math problem from fractions to basic advanced math. We will first concentrate all of our efforts on the PSAT, which is mid-October. The second nine weeks will be the ACT as well as begin preparing you for

choosing a college, financial aid, and your college major. Note: You will be required to take the PSAT in October, the SAT in November, and the ACT in December. You will receive a free ACT (provided by the school) in March. Contact Mr. Lampo or Ms. K. Miller for the application or additional information. This course is for juniors only with priority given to students based on high achievement on the PSAT in 10th grade. All other students will have the opportunity to take ACT prep as a senior.

Introduction to Education, DE

Offered with support through Holy Cross, this course introduces candidates to the education profession. Teacher content knowledge, professional dispositions, and pedagogical skills are the focus of the course. Upon successful completion of this course, students will earn three credit hours. This course is open to sophomores, juniors, and seniors. An application is required and linked here.

Law Studies

In this course, students will hone their public speaking skills, develop critical thinking skills, and participate in debates through trial advocacy. Students will gain a deeper understanding of the important roles of courts in our society. Students will become familiar with witness questioning techniques and defense/plaintiff arguments. The class will employ a variety of strategies including research, discussion, and simulation. Throughout the course, students will prepare for a formal mock trial competition by working in teams, writing out their arguments, and practicing delivering their arguments in a competitive setting. Guest speakers will visit the class and we will have an attorney coach to help advise the students on law and the trial system. Students are expected to participate in Mock Trials. Students may take this course once per year as long as they are participating in Mock Trials. An application is required for this course, the application can be found here. Please inquire with Mrs. Traci Vedros regarding honors credit opportunities.

Publications I & II (Yearbook)

Publications focuses upon the creation of a published work, the school's yearbook. Skills learned include interviewing, photography, copywriting, Photoshop editing, and more. This course is one that also teaches valuable lessons in teamwork, meeting deadlines, and creating a product that will be seen by the entire high school. Students create a theme, design layouts, work with company representatives, plan fundraisers, edit and submit the entire work by working together. Students in grades 10-12 may sign up for Publications II once per year as long as they are active members of the yearbook staff.

Public Speaking, DE

This course, COMM 211, is offered online through SELU and proctored on campus by a certified teacher. Students will be trained in the organization of materials and the oral and physical aspects of delivery in various speaking situations. The course is intended to prepare the beginning student an understanding of and practice in public speaking. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Students must be in their junior or senior year to take this course. Note, this course does not count as an honors credit towards GPA.

Sociology, DE

This course, SOC 101, is offered online through SELU and proctored on campus by a certified teacher. Sociology is a study of culture, social organization, and social relations. Upon successful completion of this course, students receive 3 hours of college credit as well as 1 Carnegie unit. Students must be in their junior or senior year to take this course. Note, this course does not count as an honors credit towards GPA.

STEM

AP Computer Science Principles

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Sophomore students and above can take this course.

AP Computer Science A

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Prerequisite: AP Computer Science Principles OR instructor approval.

Digital Media I & II

Digital Media I is a project-based course that allows students to creatively express themselves through digital graphics, print media, computer animation, and other newly emerging forms of digital media. Using industry standard tools and techniques, students will create innovative digital media. Students will also be given the ability to facilitate meetings, serve as team leaders, manage project timelines and produce professional products. In addition, students will also be expected to give presentations, as well as participate in class critiques and team meetings. Digital Media II is a continuation of Digital Media I, expanding upon students' visual design abilities and technical skills. Students will create electronic and print portfolios, explore various animation techniques, styles, and production methods, and continue to work on advanced design campaigns. There is a strong focus on students providing project and team management services to other students, fostering a real-world business atmosphere in the classroom. Students should have a computer with internet access at home. Students will have the opportunity for certification in Photoshop, Illustrator, and InDesign. Students in grade 10 and above can take this course. Prerequisite: Art I or Talented Art classification. Students must take BOTH classes; these courses do not earn honors credit towards GPA. (2 semesters)

The Pre-Engineering Certification Pathway – (Freshmen and Continuing Sophomores & Juniors)

The LSU College of Engineering, the Louisiana Department of Education, the LSU Cain Center, and Lee Magnet High School worked together to develop programs for high school students that will better prepare them to compete in the 21st century. They developed a curriculum that engages students in both understanding engineering and interacting with engineering in the classroom. The curriculum helps students understand the profession as a potential career along with learning key skills that will serve them well in college or in technical fields within the industry. This program builds on a student's traditional academic core classes and gives them an avenue to see where the field of engineering can take them.

The two courses that freshmen will be enrolled in are:

Intro to Engineering Design

This course exposes students to the design process, research and analysis, teamwork, communication methods, ethical decision making, engineering standards, and technical documentation. Students have the opportunity to develop these skills through project-based learning and to continually hone their interpersonal skills, creative abilities, and understanding of the design process. In addition to hands-on activities from each of the 11 major engineering disciplines, students will interact with industry professionals through guest presentations. Finally, students will analyze case studies to analyze real-world problems.

Intro to Computational Thinking for STEM

This course will introduce coding as the means to express and communicate STEM ideas and to interact with computing devices. Students will be presented with problems from science, engineering, and mathematics for which simple computational solutions are easily available. These ideas will be illustrated using games, where the Pythagorean Theorem is the basis of collision detection, and the equations of motion are the basis of realistic behavior. This course will build upon concepts from Algebra I, which will be visualized and put into practice through numerous hands-on projects.

Additional Courses:

Robotics

Students will use robotics to explore the fundamentals of engineering and programming. The course will consist of project-based learning including principles of engineering, physics, electronics, mechanics, and computer programming using RobotC. Students will use VEX components to create robots for both competitions and classroom projects. While building the robots, the design process will be emphasized as the robots are tested, and their designs are modified to accomplish varying tasks. The second semester projects will have a heavier focus on programming the robot to move autonomously. Prerequisite - Instructor Approval for the 2023-2024 school year.

Principles of Engineering

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation.

Students continue to enhance their skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentations. The second half of the course will focus on using LearnCNC™ virtual mills and lathes to teach the students the principles of machining. At the end of the course, students will have a basic foundation for taking several NIMS certifications.

ADVANCED ROBOTICS

Advanced Robotics is offered as an extension to Introduction to Robotics, so that students can build and program competition VEX V-5 Robots. This course is an honors credit (5 point scale) and will count as a "Gold STEM" eligible course. Priority for this class will be given to current active Robotics Club members. Curriculum will expose students to advanced building and programming techniques. Students are encouraged to attend at least one weekend competition as part of the course. If you are interested, please complete the application here.