2023-2024
Curriculum Guide

Mission Statement

Wayland Academy prepares each student for college and beyond through a liberal arts curriculum and campus programs devoted to the pursuit of knowledge and the development of character.

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CURRICULUM

The curriculum refers to the total learning experiences available to all students at Wayland. It includes intellectual, cultural, spiritual, and both on- and off-campus physical activities.

The classrooms, labs, athletic fields, and Swan Library are the heart of the Wayland curriculum. The Academy has a reputation for academic excellence and the various facilities provide a proper setting for the rigorous pursuit of each student's interests in the many and varied offerings. But the spirit of the curriculum is the enthusiasm and zest that the individual student brings to all areas of learning and endeavor. Student involvement and dedication are needed to make the curriculum work, whether one is in an English class, on stage, in an athletic practice or competition, participating in a chapel program, in the art room, or any other facet of the Wayland experience.

Within each subject, students are enrolled in courses at their designated level of instruction. All courses listed have the appropriate level of instruction indicated.

Wayland Academy reserves the right to drop an elective course from the curriculum. **An elective course is a course that is not required for graduation**.

GRADUATION REQUIREMENTS

The administration and faculty have established the graduation requirements to reflect increased standards in college preparation and admission. Students must complete a minimum of 20 credits of core courses and 2 credits in fine arts (either music or visual) to receive a diploma from Wayland Academy.

Students who enroll in Advanced Placement courses are required to take the AP exam at the end of the school year at a cost of approximately $100.

English—4 credits: 1 credit in each of English 1, 2, 3, and 4

Mathematics—3 credits: 1 credit in each of Algebra 1, Geometry, and either Algebra 2, Algebra 3, or Precalculus

Science—3 credits: 1 credit in Biology, 1 credit in Chemistry, and 1 credit in Physics

History/Social Studies—3 credits: 1 credit in U. S. History, 1 credit of a non-U.S. History, and 1 additional credit

Languages—3 credits: Successful completion of three consecutive years of the same language. (This only applies to students who are native English speakers.)

Fine Arts: 2 credits in any combination of Fine Arts courses

Athletics/PE: 4 years of successful participation

College Counseling: Student must apply to a four-year college.

Senior Capstone Project: Complete an overarching project that reflects a student's academic or creative passions, through an independent project not normally found within a traditional school curriculum.

Wayland Academy does not grant early graduation. All members of the senior class are required to successfully complete all of their academic courses (in addition to all Independent Study) during their senior year in order to receive a diploma from Wayland Academy. This requirement must be met regardless of the number of credits a student has upon entering the senior year. Wayland Academy reserves the right to terminate the enrollment of a senior whose progress is deemed to be unsatisfactory at any time. If a senior fails a fall semester course, they could be asked not to return for the second semester. Seniors who have not completed the necessary credits to graduate at commencement must complete all diploma requirements during the summer immediately following commencement to be eligible for a Wayland Academy diploma.

ENGLISH

The English program at Wayland is designed to give students a working knowledge of the tools of the language so they may speak, write, and think effectively. It aims to give them a background of reading that will lead them to look upon literature as a human experience, enable them to read with understanding and enjoyment, and to develop in them a standard of taste and criticism. It seeks to familiarize students with traditionally great literature and with recognized literary types.

Core Courses

Humanities: English (CP) (This course is World Literature with World Civilization)
Introduction to Humanities is a year-long course for *ninth-grade* students that illustrates the connections between English and Social Studies. Instead of meeting separately for World Civilization and World Literature, students meet for two class periods in Humanities. The course begins with a study of early humans and developing an understanding of the language of "story" before moving through units in Africa, the Middle East, Asia, Europe, and the Americas. During these units, the literature is informed by its historical context, and the history is informed by the culture's stories. A major focus of the class is the development of writing skills, which culminates in the freshman capstone, a longer research paper. Students are assessed by their performance in class, writing assignments, weekly binder checks, and tests. *Honors credit can be earned later in the year.*

American Literature and Composition (CP) (English 2)
This course is typically for tenth-grade students who will become more thorough readers and writers, paying extensive attention to detail in their analyses of texts as well as their own composition (essays). This course will engage students in careful and critical reading and analysis of literature in the four main genres—poetry, novels, plays, and short stories—of the American tradition, from Puritanism through modernism. William Shakespeare's influence on all writing, regardless of genre or national origin, also appears in the curriculum. *Prerequisite: English I or ninth grade English equivalent. Honors credit can be earned later in the year.*

British Literature and Composition (CP) (English 3)
This course is typically for juniors and offers grounding in British literature and shows how this literature was instrumental in both creating the 19th-century drive towards colonialism and imposing a mode of behavior within colonial sites. Then, as the multitude of colonies around the world gained their independence after World War II, writers within those prior colonial states began to reflect on how the books they grew up with in school manipulated their view of their culture and its place within the larger world—often in a negative way. Students write in a variety of modes—critical, creative, and personal—to reflect critical thinking. *Prerequisite: English II or tenth grade English equivalent.*

Poetics and Composition (CP) (English 4)
This course is for seniors only and will provide a survey study of the literary genres—Epic Poetry, Tragedy, Comedy, and Lyric Poetry—as identified by Aristotle's Poetics. With an emphasis on the Aristotelian concept that the genres all share the function of mimesis, or imitation of life, students will engage with a variety of texts, ranging from the ancient world to the modern era. From these texts, students will develop a recognition of the poetic landscape that defines each genre and will engage in higher-order thinking skills, such as analysis, synthesis, and evaluation in seminar discussions and writing composition. This course will be available for Honors credit.

English Electives

AP English Language and Composition
This course is the equivalent of an introductory college composition course and prepares students for the skills-based multiple choice and essay exam in May. In preparation for that exam and college-level scholarship, the course also fosters advanced reading and writing skills. Implementation of the *College Board's AP English* course description requires focus on rhetoric—the art of constructing and presenting arguments in speech, writing, images, or hybrids of much that is visual, written, and spoken. These skills allow students to derive their *own* meaning of other texts and develop their *own* voice in student writing. The principal rhetorical objectives in student writing are analysis, close reading, argument, synthesis, and informed citizenship. Students write about subjects portrayed in mostly non-fiction and a few fiction texts. Students must demonstrate an awareness of purpose and audience. Student confidence in their own research and writing capabilities in other academic disciplines emerges with experience in memoirs, articles, speeches, letters, journal entries, photos, film, and other written and visual texts. Student research and subsequent synthesis of many secondary sources grow in complexity, in preparation for college. *Prerequisite: English department consent.*

AP English Literature and Composition
This course provides the opportunity for students to make connections in literature, thinking across genres and across time. To this end we multi-task multiple works at the same time. The organizing theme for the course is the role of the outsider within society, and how this ambiguous and often pigeonholed figure has been approached through fiction, poetry, and critical theory. The stress is on independent thinking, and gradually the students are weaned off proposed topics for essays. The pace is very fast in the first semester and then tapers off a bit in the second to give students the opportunity to work on their own independent projects (a research paper and poet presentation), and to solidify their own particular concerns in literature. The course offers students a wide variety of tools that they may or may not (it's up to them) find helpful in articulating their ideas. Student life experiences provide a very personal way for them to transgress boundaries. Students write numerous critical essays, among other writing projects. *Prerequisite: English department consent.*

Creative Writing (CP) – Fall Semester

This class will introduce students to the process and techniques of creative writing. Students will experiment with various types of writing, including the writing of fiction and poetry. Class readings will expose students to various writing styles and provide examples of the successes and strategies of other writers. Class time will be spent discussing the writer's craft, the assigned readings, and student writing. There will also be opportunity to create new hybrid forms of expression. In the past we have experimented with photoems . . . poems that have an altered meaning by the introduction of a photograph, or poems that are created by choosing words from an already existing page of text and connecting them with arrows and lines so that the poem is also a kind of map. The class is also responsible for putting together Wayland's literary magazine, *Kaleidoscope*.

MODERN LANGUAGES

The major goals of the Wayland Modern Languages Department are: 1) to develop students' powers of understanding a native (or standard dialect) speaking at natural speed; 2) to develop students' powers of oral expression using good accent and grammar; 3) to develop students' powers of written expression; 4) to lead students to the appreciation of the literature in language other than English through the reading and critical analysis of selected literary works; and 5) to bring students into contact with ways of thought which differ from their own. The language department offers classes in German and Spanish through the Advanced Placement level.

German 1 (CP)

This course presents students with a complete scope of elementary grammar and useful vocabulary intended for practical application in conversation and everyday life. All students learn the pronunciation of German and to overcome the fear of speaking freely and openly in the classroom. This first-year course is the beginning of identifying and automating the differences between grammatical cases. Students will also begin to learn about the cultures of Germany, Austria, and Switzerland.

German 2 (H)

This course continues the process of grammar and vocabulary acquisition begun in German 1, with an added emphasis on declension and conjugation. *Prerequisite: German 1.*

German 3 (H)

This course reduces the intensity of grammar study and focuses on vocabulary growth and writing skills. Clarity and accuracy in summary writing are an integral part of this course. The confidence with which students now approach German has become part of their academic consciousness, to the degree that German can now be treated not merely on a word order and phrase basis. *Prerequisite: German 2.*

German 4 (H)
This course has as its main point of concentration extensive reading and vocabulary growth. In addition to completing a thorough review of grammar topics from German 1-3, students concentrate on the accurate application of proper usage in writing and conversation. At this point, the student is indeed capable of making the transition to an upper-level course in German at the university level. *Prerequisite: German 3.*

German 5 (H)
This course and Advanced Placement German Language are available to students who possess the ability and desire to think and communicate in German in a profound manner. Readings from Der Spiegel, historical, and literary texts compose the core of the program. Extensive reading and the presentation of such in oral reports and in written documentation facilitate a deep awareness of German. *Prerequisite: German 4.*

AP German
Advanced Placement German Language is available to students who possess the ability and desire to think and communicate in German in a profound manner. Readings from Der Spiegel, historical, and literary texts compose the core of the program. Extensive reading and the presentation of such in oral reports and in written documentation facilitate a deep awareness of German. *Prerequisite: Consent of the instructor.*

Spanish 1 (CP)
In this course, instruction is concentrated on a proficiency method. Students acquire language through comprehensible input. Students will learn vocabulary through context, such as mini stories, talking in class, authentic texts, songs, etc. Input is varied, frequent, contextualized, and comprehensible. Grammar is presented inductively, and students are asked to deduce meaning through investigation rather than memorized, traditional rules. Students will improve their speaking, listening, reading, and writing skills as the year progresses. Culture will be an integral part of daily curriculum.

Spanish 2 (CP and H)
In this course, a strong concentration on proficiency continues. Students acquire language through comprehensible input. Students continue to learn vocabulary through context, such as mini stories, talking in class, authentic texts, songs, etc. Input is varied, frequent, contextualized, and comprehensible. Grammar is presented inductively, and students are asked to deduce meaning through investigation rather than memorized, traditional rules, and higher-level structures are introduced. Students will improve their speaking, listening, reading, and writing skills as the year progresses. Culture will continue to be an integral part of daily curriculum. *Prerequisite: Spanish 1 and consent of instructor.*

Spanish 3 (CP and H)
Students continue to acquire language using proficiency methods, such as readings, listening to songs, and engagement through authentic resources and other input-based activities. Continued varied input of vocabulary and grammar structures allow students to learn through context. Student output is encouraged. Culture will continue to be an integral part of daily curriculum. *Prerequisite: Spanish 2 and consent of the instructor.*

Spanish 4 (H)
Students continue to acquire language using proficiency methods, such as readings, listening to songs, and engagement through authentic resources and other input-based activities. Continued varied input of vocabulary and higher-level grammar structures allow students to learn through context. Student output is encouraged. Culture will continue to be an integral part of daily curriculum. *Prerequisite: Spanish 3 and consent of the instructor.*

Spanish 5 (H)
In this course students will explore language and culture through readings, classroom discussion, and research. The students will continue to improve their speaking, listening, reading, and writing skills. *Prerequisite: Spanish 4 Honors and consent of the instructor.*

AP Spanish Language
This course will raise the level of proficiency of the four language skills (listening, speaking, reading, and writing) in an integrated manner that concentrates on cultural awareness and expression. Preparation for the AP Exam will be emphasized with frequent practice of all the exam sections within each of the six AP themes. *Prerequisite: Consent of the instructor.*

MATHEMATICS

The Mathematics program at Wayland provides an opportunity for all students to extend their study of mathematics to whatever level they choose after first fulfilling graduation requirements. The underlying idea of the curriculum is to provide a strong preparation for college, while also providing each student with tools to become an intelligent consumer and a contributing member of society.

Algebra 1 (CP and H)
This course is intended to build a foundation for all higher-level math classes. This course will review algebraic expressions, integers, and mathematical properties that will lead to working with variables and linear equations. There will be an in-depth study of graphing, polynomials, quadratic equations, and systems of equations through direct class instruction. *There is also an honors Algebra 1 option available by invitation of the instructor.*

Algebra 2 (CP)

This course builds on the Algebra 1 course. Students learn advanced Algebra topics. Topics include equations and inequalities, linear functions and systems, parent functions and transformations, solving quadratics and complex numbers, and functions (polynomial, radical, exponential, logarithmic, and rational). *Prerequisite: Algebra 1.*

Algebra 2 (H)

This course builds on the Algebra 1 course but focuses on the algebra pillar more exclusively. Students develop their equation solving skills as well as their inventory of basic functions and graphs. This course is designed for students who are planning to take calculus in the future, therefore the focus of the course will be developing conceptual understanding and mathematical reasoning. The graphing calculator use will be limited in this course to allow students to develop fluency with algebraic skills. *Prerequisite: Algebra 1 and consent of an instructor.*

Calculus (H)

This course provides students in grades 11 and 12 with the opportunity to learn calculus from graphical, numerical, analytical, and verbal approaches. While the course will focus on most of the topics taught in AP Calculus AB, students who take it benefit from the absence of the pressure associated with taking an AP Exam. Topics include limits of functions, computation, applications of first and second derivatives, and integration. The use of a graphing calculator to support an understanding of calculus topics will also be explored. After successful completion of Calculus Honors, students will progress to AP Calculus BC. *Prerequisite: Precalculus and consent of the instructor.*

Geometry, Logic and Proofs (CP and H)

This course is Euclidean in nature, exposing students to the basic principles and logic of geometry. The course is comprehensive of SAT topics. Area, volume, polygons, and linear relationships are covered extensively. *There is an honors Geometry option by invitation of the instructor.*

Precalculus (H)

This course builds on the Algebra 2 course. Topics include fundamental skills, functions and their graphs, power, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, identities, and equations. The course is designed to allow students to take calculus in the following year, therefore the focus of the course will be on strengthening conceptual understanding and mathematical reasoning when solving application problems. Students will systematically work with functions and their multiple representations. The limited calculator use will deepen students' mathematical understanding and fluency with algebra and trigonometry and will extend their ability to make connections and apply concepts and procedures at higher levels. *Prerequisite: Algebra 2 and consent of an instructor.*

Mathematics Electives

AP Calculus AB
This course is modeled after a first semester college course in calculus. It is designed to prepare students for success on the AP Calculus AB exam. Topics include limits of functions, computation, and applications of first and second derivatives, and integration. These topics will be studied using tables, graphs, functions, and words with a major emphasis on conceptual learning. *Prerequisite: Algebra 2 H or Precalculus and consent of the instructor.*

AP Calculus BC
This course is designed to prepare students for success on the AP Calculus BC exam. The content extends upon the AB course to include parametric and polar functions, L'Hopital's rule, Riemann sums, and the additional topic of series. *Prerequisite: Consent of the instructor and Academic Dean.*

AP Statistics
This course is designed to prepare students for success on the AP Statistics exam. Students will learn how to visually represent, analyze, and come to conclusions about data. As often as possible, real-world data and scenarios will be used. *Prerequisite: Consent of the instructor.*

Algebra 3 (CP)
This course is designed for the student who has successfully completed Algebra 2, but is not ready for the academic rigor of Honors Precalculus. The course will review solving equations and inequalities, graphing, factoring, and systems of equations. Course content includes the study of many types of functions: linear, quadratic, polynomial, exponential, logarithmic, rational, radical, and trigonometric. Students completing this course are prepared for Precalculus or College Algebra. This course requires the use of a graphing calculator. TI-84 graphing calculators will be used on a regular basis in this class. *Prerequisites: Algebra 2 and consent of an instructor.*

Statistics (CP)
This class is intended for students who have already met their math graduation requirements (Algebra 1, 2, and Geometry). Using real-world scenarios students will be introduced to important topics in statistics. They will focus on the statistical thinking behind data collection and analysis. This class will help students be more discerning consumers of statistics, teaching them how to interpret the numbers in surveys, election polls, and medical studies. Topics include sampling, surveys, experimental design, organizing data, distributions, probability, and inference. *Prerequisite: Algebra 1, 2, and Geometry*

Trigonometry (CP) – Fall & Spring semester
This is a one-semester elective course. A course covering trigonometric functions, right triangles, radian measure, graphs of trigonometric functions, trigonometric identities, including multiple and half-angle identities, inverse trigonometric functions, trigonometric equations, oblique triangles, and complex numbers. *Prerequisite: Algebra 1*

SCIENCE

The Science curriculum strives for a continuing cross-disciplinary thrust in all its course offerings. There are three primary objectives in teaching science at Wayland. First, is to make available scientific knowledge that will challenge the students. Second, is to see that the science offerings assist students to gain a sense of the order and coherence of scientific inquiry. Finally, and most importantly, is to teach students that scientific facts only have transitory value if they are used to help us grow as human beings.

Chemistry (CP)

This course is an introductory course into the study of matter. The courses will cover the fundamental building blocks of matter and what happens to matter when it is chemically changed. Chemistry will be a mixture of direct instruction, web-delivered instruction, project-based learning (PBL), and laboratory investigation. *Honors credit can be earned later in the year.*

Environmental Biology (CP)

This is a full-year college preparatory science course, for students in grade 9, designed to teach the concepts and principles of biology using the amazing environment that Wisconsin provides. Students will develop a conceptual framework for modern biology and recognize unifying themes that integrate the major topics of biology. They will learn about the scientific process, molecules and cells, cellular reproduction and genetics, and the form and function of plants and animals as they pertain to the ecology they participate in. Laboratory activities, both on and off campus, will stress the development of important skills such as detailed observation, accurate recording, experimental design, and data interpretation and analysis. Students will develop critical thinking skills through research and discussions about issues relating to current advancements in biology.

Physics (CP)

Topics covered in College Prep Physics include most of mechanics and selected topics in electricity, magnetism, waves, sound, and light. Algebra and trigonometry are used in problem solving. Extensive use is made of lectures, labs, and demonstrations. *Honors credit can be earned later in the year.*

Science Electives

Anatomy, Physiology & Medical Terminology (H)

Anatomy and Physiology with Medical Terminology is an honors level, laboratory-based, college-preparatory course for students in grades 10-12, which investigates the structure and function of the human body. Topics will include cellular structure and function, basic organization of the body, and a detailed investigation of each organ system while including an understanding of the language that is used by the medical field to communicate. Students will learn through in-class discussion, take-home study guides, projects, group work, and labs. An in-depth dissection of a fetal pig and various sheep organs is required. Prerequisite: Students must have either taken or be enrolled in biology and chemistry.

AP Biology
AP Biology is a year-long, college-level course that is designed to be taken by students after the successful completion of both biology and chemistry. AP Biology includes those topics regularly covered in a college introductory biology course and differs significantly from the standards-based, high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. *Prerequisites: Biology and Chemistry, plus consent of the instructor.*

AP Chemistry
AP Chemistry is a high-level chemistry course designed to give students exposure to the rigor of college-level science classes. It builds on concepts learned in CP Chemistry with the intent of further developing the scientific and critical thinking skills of students. The course is structured along the lines of an introductory college chemistry class, with a heavy emphasis on quizzes and examinations, as opposed to homework and assignments. Questions on the AP exam will be drawn from the following topics: atomic theory, chemical bonding, periodicity, stoichiometry, gas laws, electrochemistry, states and properties of matter, kinetics, and chemical equilibrium. *Prerequisite: Algebra 1, CP Chemistry, and CP Physics, plus teacher recommendation.*

AP Physics 1
AP Physics 1 Mechanics is an advanced college level course using algebra. It covers most of mechanics—Newton's laws of motion, gravitation, energy, momentum, rotational motion, simple harmonic motion, and static equilibrium—at the same level as a first-year college course. *Prerequisite: Consent of the instructor*

AP Physics 2
For grades 11 and 12. Students expand their understanding of physics as they explore topics such as fluids; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. Students will do hands-on and inquiry-based in-class activities and laboratory work to investigate phenomena. *Prerequisites: Having passed AP Physics 1 or CP Physics and the teacher's recommendation.*

AP Physics C: Mechanics – Fall Semester
This is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. *Prerequisite: Consent of the instructor and either Calculus AB or BC.*

AP Physics C: Electricity and Magnetism – Spring Semester
Explore concepts such as electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields, and electromagnetism. You'll do hands-on laboratory work and in-class activities to investigate phenomena and use calculus to solve problems. *Prerequisite: Recommendation of the teacher and either AP Calculus AB or BC.*

Biology (CP)
For grades 10, 11, and 12. This course is designed to introduce students to a wide variety of biological principles, while simultaneously stressing the unity of life and the common functions of all organisms. The course will cover such topics as cellular biology, organismal biology (both plant and animal), and population biology. Laboratory work is an integral part of the class, not only to acquaint students with fundamental techniques, but also to elucidate scientific evidence gathered, interpreted, and summarized. *Honors credit can be earned later in the year.*

Climatic Change (CP) – Spring Semester
For grades 10, 11, and 12. Earth has one true constant: that it is not constant. This semester-long course will push students to investigate, research, justify, and debate different concepts and ideas. Then, they'll use the scientific method to design a lab to test their research. Students having taken Biology and Ecology are preferred.

Ecology (CP) – Fall Semester
For grades 10, 11, and 12**.** This is a semester-long course that offers students an introduction to the different aspects of this planet. The explorations of the oceans, atmosphere, land, and even location in space will be done through discussion, laboratory investigations, and researched data. *Prerequisites: Any of biology, physics or chemistry.*

Medical Case Studies (CP) – Fall Semester
For grades 11 and 12 (grade 10 with consent of instructor). Students will learn basic anatomy and medical terminology while studying the relation between structure and function, and how changes in anatomy can lead to various medical disorders. *Prerequisite: Biology*

Medical Research and Ethics (CP) – Spring Semester
For grades 11 and 12**.** Students will dive further into medical case studies, learn about immunology and epidemiology, study research and medical ethics, learn how to design their own experiments to present to the class, and will end with studying a topic of their choice. Students having taken Anatomy and Physiology or Medical Case Studies are preferred. *Prerequisite: Completion of a full credit of Biology.*

STEAM

The purpose of the STEAM (science, technology, engineering, art, and mathematics) program is to introduce students to design and engineering concepts. Through project-based learning, students are challenged with a wide range of topical projects specific to entrepreneurial activities, energy challenges in the twenty-second century, career options in technology and engineering, and human-centered innovation.

Astrophysics (CP) – Spring Semester
Credit can be earned in math and science. Explore the life cycle of stars, solar systems and galaxies. This course is designed to show how the Universe works on different scale levels and how gravity holds mass together while the elusive Dark Matter and Dark Energy seems to be ripping it apart. A wide range of physical topics will be covered, along with a variety of mathematical tools new to most students. *Prerequisite: Teacher Recommendation & Calculus concurrently or strong math background*

Civil Engineering and Architecture — Fall semester
Students learn important aspects of building, site design and development. They apply math, science, and standard engineering practices. They will design residential and commercial projects using modeling—either with physical models or 3D architecture design software.

Digital Media Production I — Fall semester
In this class, students will learn the basics of creative design and web development. The course begins with the foundations of traditional media production, building on concepts in photography and information design. Students will be introduced to the core programming languages of HTML, CSS, and JavaScript, as well as establish familiarity with Adobe Photoshop, Dreamweaver, Illustrator, and InDesign. No prior experience in web design or technology is needed; students will be encouraged to find (and push past!) their comfort zone in learning new digital media programs. As a skill-sharing community, students will support each other in developing digital projects like websites, advertisements, and infographics. *Prerequisite: None*

Digital Media Production II — Spring semester
As a follow-up course to Digital Media Production I, this class allows students to build on existing production skills while exploring more complex areas like audio and video recording and special effects. After learning how to effectively and artistically capture video using a camera, students will use Adobe Premiere and Audition to create their own narratives. The class will study techniques like voiceover, montage, and continuity editing in order to understand the mechanics of everyday production apps like TikTok and YouTube. Students will also build confidence as storytellers and experiment with a variety of genres including documentary, fiction, educational media, and more. *Prerequisite: Digital Media Production I or consent of instructor.*

Media Studies: Media Literacy (CP) – Fall and Spring Semester
This class explores how our lives intersect with many forms of media—social networks, film and TV, journalism, etc.—and how students can become critical consumers and ethical producers of media. Students will build foundations for understanding identity, bias, and power in mass media, and ask important questions about how we represent society and the self in a changing digital world. Students will focus on developing their media analysis skills on a variety of texts (including short screenings and articles) and will complete a series of both research-based and reflective writing assignments. *Prerequisite: None*

Robotics & Control Systems (CP) – Spring Semester
Credit can be earned in math and science. An introduction to robotics is geared for students to learn the mechanics, electronics, and methodology of building robotics. Freenova education projects and Raspberry Pi systems expose students to a wider range of real-world solutions. The process of building robots is primarily a self-paced, innovative learning experience for all student levels. *Prerequisite: Teacher Recommendation & Precalculus or strong math background.*

Web Design and Digital Imagery (CP) — Fall Semester
Credit can be earned in science and fine arts. Develop an awesome website from the ground up. The basics of web development is provided through the review of HTML5, CSS, and packaged applications. Learn mobile layout design and messaging to create web content. Out-of-the-box web tools and CMS including: Adobe, Wix, Wordpress, and Squarespace. No previous coding knowledge required.

HISTORY/SOCIAL STUDIES

The foundation for the study of the social sciences and history at Wayland Academy is designed to assist students in studying topics as seemingly disparate as economics and world history. It is evident in terms of content that these subjects are quite different and have their own peculiar demands.

Humanities: History (CP) (This course is World Civilization and World Literature)
Introduction to Humanities is a year-long course for *ninth-grade* students illustrating the connections between English and Social Studies. Instead of meeting separately for World Civilization and World Literature, students meet for two class periods in Humanities. The course begins with a study of early humans and understanding the language of "story" before moving through units in Africa, the Middle East, Asia, Europe, and the Americas. During these units the literature is informed by its historical context, and the history is informed by the particular culture's stories. A major focus of the class is the development of writing skills, which culminates in the freshman capstone, a longer research paper. Students are assessed by their performance in class, writing assignments, weekly binder checks, and tests. *Honors credit can be earned later in the year.*

European History (CP)
This course provides an overview of European history, from the Renaissance to the present day. Combining an analysis of political, economic, religious, social, intellectual, and cultural history, the class presents the major people, events, and ideas of modern European history. Students are introduced to all of the important eras in modern European history, with an emphasis on what connects each era to the one preceding and the one following it. While each major country's history is examined for its own internal narrative, the class also looks at how certain themes—like the Reformation, Liberalism, and Socialism—are modified across the continent.

United States History (CP)
This course is a full year course on the history of the United States from the colonial period to the present day. The course will examine the political, economic, religious, social, and geographic relationship of the events that have impacted the development of the nation. Students will view documentaries and read primary documents to supplement the material in the text. Students will also keep up with current events through the *Upfront* magazine.

History/Social Studies Electives

AP European History
This course covers the same time period as the CP class—the Renaissance to the present—but at a much more vigorous level. Each subject is covered in less time, but with more detail. Students are expected to master the facts from the reading on their own while reserving class time for the discussion of themes, causation, and comparison. Reading assignments come not only from the textbook, but from other scholarly works as well. Multiple primary sources are also assigned to accustom the students to working with documentary evidence. The AP course is more writing intensive as the students prepare to sit for the exam in early May. *Prerequisite: Consent of the instructor.*

AP European History: Intensive – Spring Semester
Since the 15th century, Europe has exercised an influence in global affairs far out of proportion to their size, population, and resources. In order to appreciate the impact of Europe, students must examine the development of European (and by extension Western) Civilization. In addition to their global context, the religious, economic, political, and intellectual developments of Europe have shaped American history directly. By studying the interactions of such a diverse group of nations, students learn to look at all sides of an issue, examining the motivations behind the actions of nations. The interaction between social, political, economic, and intellectual history provides students with an understanding of the multiple forces that drive history. This class is an intensive class meant to prepare students who have previously excelled at CP European History. The focus will be on reviewing what was covered in the previous year and test preparation. *Prerequisite: Consent of the instructor.*

AP Macroeconomics – Independent Study
This is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. *Prerequisite: Consent of the instructor and Academic Dean.*

AP Microeconomics
This course begins with an overview of key economic terms. From there, students receive a thorough analysis of the supply and demand model. After that, we review the three types of elasticity and how they relate to the supply and demand for various goods. This is followed by studying the relationship between externalities,

taxes, and quotas. The second semester spends a great deal of time analyzing the four major market types: perfect competition, monopoly, oligopoly, and monopolistic competition. The remaining topics in the course touch on current economic issues like earnings discrimination, income inequality, and poverty. Throughout the course, the textbook is supplemented by examples of current news events and its economic impact. *Prerequisite: Algebra 2 and consent of instructor.*

AP United States Government and Politics
For grades 11 and 12. This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes. We will be following the 2024 presidential election closely.
Prerequisite: U.S. History and consent of instructor.

AP United States History
This course is a full year comprehensive study of the history of the United States. The course examines the political, economic, religious, social, intellectual, artistic and geographic relationship of events that have impacted the development of the nation. Students will view movies and documentaries and read primary and secondary documents to enhance and supplement the material in the text. In addition to acquiring knowledge, there will be an emphasis on analyzing and synthesizing data, as well as writing cohesive essays.
Prerequisite: Consent of the instructor.

Civil Rights and Protest in America 1820-Present (CP) – Spring Semester
For grades 11 and 12. A study of the challenges and achievements in the continuing struggle for equality under the law in the United States. Though focusing on racial equality, the course will include topics relating to other forms of discrimination. *Prerequisite: Completion of U.S. History*

Cold War (CP) – Fall Semester
Modern Cold War is a course that utilizes the framework of the traditional "Cold War" period (approximately 1945-1991) to understand the complex geopolitical conflicts of today. After starting with the Russian Revolution and the rise of the Soviet Union, students will examine the post-World War II conflict between the United States and the Soviet Union. The course will then transition to studying the rise of the "new" Russia under Vladimir Putin, China's reemergence as a global superpower, and a revitalized Iran. The role of the United States in global politics and the battle for technological, economic, ideological, and military hegemony between the U.S. and those three countries will be a major focus of the second part of the course. *Prerequisite: U.S. History.*

AP Comparative Government and Politics
AP Comparative Government and Politics is an introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics

like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis. *Prerequisites: Completion of U.S. History or AP U.S. History and recommendation of teacher.*

Current World Issues (CP) – Fall Semester
This course is designed to challenge students to think about the topics and issues in the news today, both domestically and globally. Historical background, ideologies, and motivations are all discussed in an attempt to look at each issue from multiple vantage points. Students are encouraged to make informed decisions about these issues, but are also challenged to think about new perspectives. They must also defend their point of view during class discussion—offering a rationale for their opinions. While the class may not discover the solution to all of today's problems, the students should learn to analyze issues critically and understand the interlinking nature of modern society.

Jazz History (CP) – Fall Semester
Students will examine jazz from its roots in the slave music of Congo Square all the way to the present day. We will look at jazz styles and how they have evolved and/or regressed through the years. Different jazz musicians and their lives and styles of music are central to the study of jazz. We'll look at world events and culture and how they affect jazz. We will do a lot of listening to jazz and studying its components and what makes it unique. *Prerequisite: Some knowledge of music theory. Consent of the instructor.*

Medieval European History (CP) – Fall Semester
A one-semester course. Study major themes and events of western European history between the fifth and the fifteenth centuries. The disintegration of the Roman world, the Carolingian Empire, the growing power of the Church.

Modern Middle East, History of the (1900-Present) (CP) – Spring Semester
This course will begin with some background on the Ottoman Empire and cover material into the present day. It will focus on the individual countries of the Middle East and how these countries have grown and developed since the end of the First World War and the dissolution of the Ottoman Empire. Special attention will be paid to the quasi-imperialism of the Cold War era and its effect on the Middle East's development. Each country will have its own unit. *Prerequisite: U.S. History*

Music History 1 (CP) – Fall Semester
A one semester course which is considered both a history and fine arts credit. Ancient Music through Baroque Music. Composers, musical styles and techniques, the development of instruments, and the correlation between the musical world and the cultures and historical developments of each period are the focus for the class. Students are expected to take quizzes and exams on the material presented.

Music History 2 (CP) – Spring Semester
A one semester course which is considered both a history and fine arts credit. Classical Music through Modern Music. Composers, musical styles and techniques, the development of instruments, and the correlation between the musical world and

the cultures and historical developments of each period are the focus for the class. Students are expected to take quizzes and exams on the material presented. *Prerequisite: Music History 1.*

Sportswashing and Global Politics (CP) – Spring Semester
For students in grades 10, 11, and 12. This course is a discussion-based opportunity to learn how sporting events influence global politics. The course will be focused on the 20th and 21st centuries and will begin with a study of the 1936 Olympics in Nazi Germany. Students will then learn about the role of politics in the World Cup and global club soccer in the third quarter. Topics like the 1934 World Cup in Italy, the 2022 World Cup in Qatar, and Saudi Arabia's Public Investment Fund (PIF) and ownership of Newcastle United Football Club will be covered. In the fourth quarter, the class will cover the Olympics and basketball. Students will learn about the 1980 Moscow Olympics, 2008 Beijing Olympics, the 2014 Sochi Olympics, and the 2016 Rio de Janeiro Olympics before pivoting towards the domestic politics of basketball in the United States. A central term of the course will be "Sportswashing" and how authoritarian regimes use sports to create legitimacy.

FINE & PERFORMING ARTS

The faculty of Wayland Academy recognizes the aesthetic, intrinsic, and educational value of including Fine Arts in a comprehensive learning experience. Our program strives to enhance our students' appreciation and examination of fine arts in various cultural heritages. The Academy offers a variety of classes and performing opportunities in visual arts and music.

Visual Arts

In the Visual Arts, classes help to develop the students' personal artistic styles, the students' artistic techniques for the different art media, and the students' ability to judge and evaluate great art. Students are encouraged to develop their area of interest as well as try new art media.

Art 1: Explorations 2D (CP) – Fall Semester
This course is available to all students. A hands-on studio class for beginning artists that teaches the foundation of drawing and painting. This class will place emphasis on developing an understanding of the Elements of Art and the Principles of Design through project-based learning. Students will learn how to photograph their work and participate in group critiques.

Art 1: Exploration 3D (CP) – Spring Semester
A hands-on studio class for beginning artists that teaches the foundation of ceramics and sculpture. This class will place emphasis on developing an understanding of the Elements of Art and the Principles of Design through project-based learning. Projects will explore clay and glazing as well as other forms of sculpture. Students will learn how to photograph their work and participate in group critiques. Artists will have the opportunity to show their work.

Art 2: Independent Art 2D (CP) – Fall Semester
Students will draw, paint, and continue to build skills while exploring materials and processes, watercolors, inks, and pastels. Emphasis is on composition. *Prerequisite: Art Exploration 1 in 2D or permission from instructor.*

Art 2: Independent Art 3D (CP) – Spring Semester
Students continue studies in ceramics and sculpture, building the skills they acquired in Art Exploration. Further emphasis will be placed on composition, craftsmanship and concept. Projects will begin to explore other materials and processes such as mold making, platers casting, and life casting. Students will continue to photograph their work and will begin developing a portfolio. Students will participate in one-on-one and group critiques. Artists will have the opportunity to show their work. *Prerequisite: Art Exploration 1 in 3D.*

Honors Art (H)
This year-long course will focus on developing an area of concentration in drawing, painting, ceramics, or photography. Emphasis will be placed on concept, execution, and artist statements. The number of works produced will be dependent on the medium and student's predetermined plan. Projects will include parameters based on medium, providing artistic freedom and personal exploration. Students will continue to photograph their work, build portfolios, and participate in one-on-one and group critiques. *Prerequisite: Consent of the instructor.*

Graphic Arts and Media (CP)
This year long course, *for grades 10, 11, and 12*, offers students a chance to experience graphic design and media production first-hand. In the first part of this course students will be responsible for creating and publishing the *Wayland Pillars* yearbook. This process includes photography, template design, and editing on a digital, web-based platform. After the completion of the yearbook, students will continue to develop their understanding of the principles of design and art elements by practicing basic photo editing; as well as designing digital media such as posters, logos, and original products.

AP Studio Art
This course is for seniors only. It's a very intensive course designed for students who are seriously interested in the practical application of art and wish to develop mastery in the concept, composition, and execution of their ideas. Students will experience a variety of concepts, techniques, and approaches designed to help them demonstrate their abilities as well as their versatility with problem solving and critical thinking. Students will develop a body of work and submit a portfolio to be evaluated by the College Board at the end of the year. *Prerequisite: Consent of the instructor.*

Music

The music courses at Wayland encourage individual and group learning. The students study different musical styles, develop techniques for their own instrument and/or voice, learn to evaluate music, learn to identify the origins of classical music, learn practice and performance techniques, and develop their own stage presence for

solo and ensemble performing. Music students participate in many programs both on campus and in the community. Students may also participate in the Wisconsin State Solo & Ensemble Competition each year.

Music Lessons

Lessons are offered in voice and the following instruments: piano, guitar, flute, clarinet, trumpet, trombone, saxophone, drums, violin, cello, French horn, and baritone. Students work with the instructor concentrating on rehearsal and performance technique unique to their instrument. Depending on the schedule, lessons are individual or in small groups. In addition, students will focus on music literacy, theory, and repertoire interpretation.

Wayland Concert Band (CP)

The Wayland Concert Band rehearses daily and practices ensemble techniques such as balance, blend, intonation, and interpretation through the study of various styles of music. Music theory is a daily focus. The group performs jazz, "classical," and pop music, as well as standard concert band music. The band performs at concerts and events throughout the year. Winter season pep band is part of the performance commitment.

Wayland Concert Band – Honors (H)

For instrumentalists who want to be a part of *two* instrumental ensembles: **Concert Band** and **Jazz Ensemble**. Because of the extra work performing in two ensembles, students earn an Honors credit. The Wayland Concert Band performs jazz, "classical," and pop music, as well as standard concert band music. The Jazz Ensemble will meet twice a week and play jazz music based on the makeup of the group. *Prerequisite: Recommendation of the teacher.*

Wayland Concert Choir (CP)

The Wayland Concert Choir is open to all students at Wayland including beginning and more advanced singers. The group sings a variety of musical styles and performs at various school functions and community activities. We work on individual and group vocal music technique, sight reading skills, the anatomy of the voice, balance, blend, and intonation.

Wayland Concert Choir – Honors (H)

For singers who want to be a part of *two* choral ensembles: **Concert Choir** and the **Contemporary A cappella Ensemble**. Because of the extra work singing in two ensembles, singers earn an Honors credit. The Wayland Concert Choir meets daily and sings a variety of musical styles and performs at various school functions. The Contemporary A cappella Ensemble will meet twice a week and focus on vocal jazz and contemporary a cappella standards. Singers will extend skills learned in Concert Choir including vocal technique and listening skills by singing close harmonies with no piano accompaniment. *Prerequisite: Recommendation of the teacher.*

Music Ensemble Hybrid (CP)
Students wishing to perform in *both* **Concert Band** and **Concert Choir** ensembles will elect this option. Students will rehearse in Concert Band and Concert Choir on a schedule that the teachers have agreed upon so that the student may enjoy a well-rounded instrumental and vocal music experience.

Music Ensemble Hybrid Advanced (H)
Students wishing to perform in both **Concert Band** and **Concert Choir** ensembles and either **Contemporary A cappella** *or* **Jazz Ensemble** will elect this option. Because of the extra work being part of multiple ensembles, singers earn an honors credit. Students will rehearse in Concert Band and Concert Choir on a schedule that the teachers have agreed upon so that the student may enjoy a well-rounded instrumental and vocal music experience. Students will also choose to be a part of **Contemporary A cappella** OR **Jazz Ensemble.** *Prerequisite: Recommendation of the teacher.*

Digital Music Theory & Composition 1 (CP) – Fall & Spring Semester
This is a one-semester course. Students enrolled in Digital Music Theory and Composition 1 will learn to read rhythms, identify all instruments and instrumental families, identify major and minor key signatures, intervals, triads, and simple score analysis. Students will also learn to compose using GarageBand and Musescore. Using GarageBand, students will create original musical compositions to accompany movie clips, musically represent works of art, and create a podcast. With Musescore, students will compose simple melodies and counterpoint.

Digital Music Theory & Composition 2 (CP) – Fall & Spring Semester
This is a one-semester course. Students wishing to further their music theory and composition studies will learn about 7th chords, chord and score analysis, 4-part composition, and chord progressions. Students will also dive deeper into GarageBand and Musescore to create compositions with more complexity. *Prerequisite: Digital Music Theory & Composition 1, Music Theory 1, or Music Theory 2.*

FINAL NOTE

WAYLAND ACADEMY RESERVES THE RIGHT TO CHANGE ANY AND ALL RULES, REGULATIONS, AND OFFERINGS, AS IT DEEMS PROPER.

Wayland Academy admits students of any race, gender, color, national or ethnic origin, or sexual orientation to all the rights, privileges, programs, and activities generally accorded and made available to students at the School. Wayland Academy does not discriminate on the basis of race, gender, color, national or ethnic origin, or sexual orientation in administration of its educational policies, admission policies, scholarship and financial aid programs, athletic, and other school-administered programs.

Wayland Academy

Discovering knowledge and building character. Together.

101 N. University Avenue | Beaver Dam, WI 53916 | 920.356.2120 | wayland.org

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