

FLVS FULL TIME
**HIGH SCHOOL
COURSE
CATALOG**

2017-18



Students,

If you believe learning should be personalized to your needs, then you've come to the right place.

FLVS® Full Time was designed specifically for students like you—students who want individual attention, dynamic learning experiences, and flexibility that only online learning provides. Fully accredited by the Southern Association of Colleges and Schools and AdvancED, FLVS Full Time allows you to learn on your schedule. Our learning solutions help you balance unique educational needs, travel, sports, and hobbies with innovative general, honors, and Advanced Placement® (AP®)* courses taught by Florida-certified teachers.

Explore our online courses, many of them mobile friendly so you can work on your tablet or smartphone, in this 2017-18 catalog. Be sure to check flvs.net/fthighcourses to view in-depth descriptions, required materials, and the most up-to-date course list.

You are the focus of everything we do at FLVS Full Time, from developing our award-winning curriculum,** to providing NCAA-approved core courses and maintaining compliance with the Florida Standards. We want your experience to be exceptional.

Happy browsing!
The FLVS Full Time Team

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**Visit flvs.net to see our full list of awards and honors.



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HIGH SCHOOL



English

English 1

Credit 1 (0.5/semester)

Course Code 1001310

Honors Code 1001320

Develop language arts skills by reading, writing, listening, viewing, and speaking. You will learn to use the English language to successfully express yourself.

Prerequisite: M/J Language Arts 3 Reg/Advanced; recommended for 9th grade.



English 2

Credit 1 (0.5/semester)

Course Code 1001340

Honors Code 1001350

Encounter new vocabulary, refine the grammar and mechanics of your writing, and engage in thought-provoking projects. Throughout the course, you will discover how the human experience is the foundation of the best stories, plays, poems, films, and articles. **Prerequisite: English 1 Reg/Honors; recommended for 10th grade.**



English 3

Credit 1 (0.5/semester)

Course Code 1001370

Honors Code 1001380

Acquire the language, reading, writing, and speaking/listening skills necessary for success in college, career, and beyond. Become a critical reader and thinker as you dive deeply into the texts presented throughout this course. You will learn how to effectively research and integrate your findings, as well as cite your sources. **Prerequisites: English 1 and 2 Reg/Honors; recommended for 11th grade.**



English 4

Credit 1 (0.5/semester)

Course Code 1001400

Honors Code 1001410

Build your analytical and critical thinking skills through close readings of a variety of literature and informational texts. Master the writing process with relevant, real-world research activities, and integrate your findings in the completion of argumentative and informational essays. This interactive course presents multiple opportunities to apply your learning in creative and expressive ways. **Prerequisites: English 1, 2, and 3 Reg/Honors; recommended for 12th grade.**



English 4: Florida College Prep

Credit 1 (0.5/semester)

Course Code 1001405

Preparing you for the demands of reading, writing, and communicating in college and beyond, you will hone your skills in creative and analytical writing and apply concepts learned to closely read and analyze contemporary and historical informational text.

 Important information to note before signing up for a course.

 Certificate available upon successful completion of course and exam.

 This course offers a mobile-friendly experience.



Mathematics



Algebra 1

Credit 1 (0.5/semester)

Course Code 1200310

Honors Code 1200320

Algebra 1 emphasizes the importance of algebra in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, you will have a strong foundation in Algebra 1 and will be prepared for other higher-level math courses. **Prerequisite: MJ Grade 7 Mathematics Advanced or MJ Grade 8 Pre-Algebra.**



Algebra 2

Credit 1 (0.5/semester)

Course Code 1200330

Honors Code 1200340

Starting with a review of basic algebra, you will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics. Throughout the course, these mathematical concepts are applied to everyday occurrences to demonstrate how the world around us functions. **Prerequisites: Algebra 1 and Geometry; recommended for 11th grade or above.**

Calculus Honors

Credit 1 (0.5/semester)

Honors Code 1202300

Study limits, continuity, differentiation, integrated algebraic, trigonometric, and transcendental functions, and the applications of derivatives and integrals. **Prerequisites: Algebra 1, Geometry, Algebra 2, and Pre-Calculus or Trigonometry/Analytical Geometry.**



Geometry

Credit 1 (0.5/semester)

Course Code 1206310

Honors Code 1206320

Geometry exists everywhere in the world around you. We use it to build bridges, to design maps, or to create perspective in paintings. Throughout this course, you will use problem solving and real-world applications to gain the knowledge of geometric concepts and their practical uses. **Prerequisite: Algebra 1 or its equivalent; recommended for 10th grade or above.**



Liberal Arts Mathematics 1

Credit 1 (0.5/semester)

Course Code 1207300

Liberal Arts Math 1 will revisit key concepts from middle school mathematics and algebra while preparing you for your mathematical future. The course is delivered through text, interactives, and videos that incorporate the Florida Standards for Mathematical Practice as well as Florida Standards for Mathematical Content. **Prerequisite: Algebra 1.**



This course does not satisfy NCAA eligibility requirements.



Math for College Readiness

Credit 1 (0.5/semester)

Course Code 1200700

Acquire skills needed for success in college-level mathematics. You will explore expressions, equations, statistics, and probability to learn algebra and geometry skills required for entry into college-level courses. **Prerequisites: Algebra 1 and Geometry.**

Pre-Calculus Honors

Credit 1 (0.5/semester)

Honors Code 1202340

As a mathematical analyst, you will investigate how advanced math concepts can solve problems encountered in operating national parks. This course includes analytical geometry and trigonometry. **Prerequisites: Algebra 1, Geometry, and Algebra 2.**



Science



Anatomy and Physiology

Credit 1 (0.5/semester)

Course Code 2000350

Honors Code 2000360

Explore the human body and learn how you can help your body cope with many different situations. You will study the structure, location, and function of various systems within the human body and how these systems interact. **Prerequisite: Biology 1.**

Biology 1

Credit 1 (0.5/semester)

Course Code 2000310

Honors Code 2000320

Explore the structure, function, diversity, and evolution of living matter by taking an in-depth look at the fundamental characteristics of living organisms. You will have the opportunity to perform hands-on lab activities and develop relationships through collaborative learning. **Recommended for 10th grade.**

Chemistry 1

Credit 1 (0.5/semester)

Course Code 2003340

Honors Code 2003350

This course provides a foundation for learning chemistry concepts, including: scientific inquiry, interactive experiences, higher-order thinking, collaborative projects, real-world application, and a variety of assessments. **Prerequisite: Algebra 1 with a C or higher; Physics 1 recommended prior to taking Chemistry 1.**



Household items required for labs.



Marine Science 1

Credit 1 (0.5/semester)

Course Code 2002500

Honors Code 2002510

Delve deeply into Earth's bodies of water and study geologic structures and how they impact the oceans. Investigate characteristics of various populations of aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem. **Prerequisite: Biology 1.**

Physical Science

Credit 1 (0.5/semester)

Course Code 2003310

Honors Code 2003320

Build a foundation for studying physical sciences, including basic physics and chemistry, as you explore this interactive course. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding, and reactions. **Recommended for 9th grade.**

Physics 1

Credit 1 (0.5/semester)

Course Code 2003380

Honors Code 2003390

Discover the contributions of geniuses like Galileo, Newton, and Einstein by learning about the concepts, theories, and laws that govern the interaction of matter, energy, and forces. **Prerequisites: Algebra 1 with a C or higher; Algebra 2 recommended with a C or higher.**



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



Social Studies



Economics with Financial Literacy

Credit 0.5

Course Code 2102335

Honors Code 2102345

Become a more informed consumer, producer, investor, and taxpayer and learn how your choices directly affect your future. **Prerequisites: English 1 and 2; Algebra 2 recommended. This is a 12th grade course and is paired with United States Government.**



United States Government

Credit 0.5

Course Code 2106310

Honors Code 2106320

Explore the principles that inspired the Constitution and Bill of Rights and examine each branch of government, the election process, and how you can impact public policy. You will also discover how the United States interacts with other countries. **Prerequisites: English 1 and 2. This is a 12th grade course and is paired with Economics with Financial Literacy.**



United States History

Credit 1 (0.5/semester)

Course Code 2100310

Honors Code 2100320

Investigate the people, events, and ideas that have shaped the United States from the end of the Civil War through today while applying what you learn to real-world problems. **Prerequisite: English 1; recommended for 11th grade.**



World History

Credit 1 (0.5/semester)

Course Code 2109310

Honors Code 2109320

Join Ali and Soo-jin, our modern time travelers, as they journey through history. Discover the connections between world events and eras, from the Roman Empire through the Industrial Revolution, and explore development in our modern world as well as the implications that historical events have on us today. **Recommended for 10th grade.**



Physical Education

To meet the FLVS Full Time High School physical education graduation requirement, you will need to take either HOPE (1 credit), OR Personal Fitness (0.5 credit) AND one of the following: Fitness Lifestyle Design (0.5 credit) or Outdoor Education (0.5 credit).

Fitness Lifestyle Design

Credit 0.5

Course Code 1501310

Discover habits of body and mind that will lead to a healthier lifestyle. You will measure your current fitness level, nutrition knowledge, and create a plan for achieving your individual goals.



Health Opportunities through Physical Education (HOPE)

Credit 1 (0.5/semester)

Course Code 3026010

Your path to lifelong fitness starts here. You'll set a variety of goals that will guide you toward leading a healthy lifestyle. During your journey, you'll perform daily physical activity, design a personal fitness plan that suits your interests, and keep track of your fitness progress. You'll monitor your exercise and nutrition using a personalized wellness plan.



Outdoor Education

Credit 0.5

Course Code 1502480

Develop your skills in outdoor activities like boating and hunting, and learn about the benefits of physical activity while using proper safety procedures to experience wildlife and outdoor and extreme sports. By meeting all of the requirements of the course, you will be eligible to obtain a state of Florida Hunter Safety Card and Florida Boating Safety ID Card. Exclusive to FLVS students and endorsed by the Florida Wildlife Commission (FWC), you can now earn your Hunter Safety Card through the Virtual Field Day component in the course, rather than physically attending the FWC Field Day.



Personal Fitness

Credit 0.5

Course Code 1501300

Get started on your path to lifelong fitness by setting goals and working toward them. Along the way, you'll perform daily physical activity, design a fitness plan, and keep track of your progress using an interactive wellness plan.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



World Languages

Chinese 1

Credit 1 (0.5/semester)

Course Code 0711300

Learn conversation elements in Mandarin Chinese, including greetings, introductions, and the exchange of basic information with others.

 *Required Materials: Microphone and speaker, or headset.*

Chinese 2

Credit 1 (0.5/semester)

Course Code 0711310

Develop your communication skills at a more advanced level, including listening, speaking, reading, and writing in Mandarin Chinese. **Prerequisite: Chinese 1.**

 *Required Materials: Microphone and speaker, or headset.*

Chinese 3 Honors

Credit 1 (0.5/semester)

Honors Code 0711320

Learn more about Chinese culture, including the origins, anecdotes, and etiquette for various cultural settings. You will also compare and contrast the Chinese culture with your own as you continue to build knowledge of vocabulary, sentence structure, and grammar. **Prerequisites: Chinese 1 and 2.**

 *Required Materials: Microphone and speaker, or headset.*

French 1

Credit 1 (0.5/semester)

Course Code 0701320

Learn basic French grammar to help build your fluency and understanding, and apply what you learn through interactive games, written practice, and listening and speaking exercises.

 *Required Materials: Microphone and speaker, or headset.*

French 2

Credit 1 (0.5/semester)

Course Code 0701330

Strengthen your French listening, speaking, reading, and writing skills with engaging and interactive videos, dialogs, presentations, self-checks, and much more. **Prerequisite: French 1.**

 *Required Materials: Microphone and speaker, or headset.*

Spanish 1

Credit 1 (0.5/semester)

Course Code 0708340

Learn basic Spanish grammar to help build your fluency and understanding, and apply what you learn through interactive games, written practice, listening, and speaking exercises.

 *Required Materials: Microphone and speaker, or headset.*



continued

Spanish 2

Credit 1 (0.5/semester)

Course Code 0708350

Strengthen your Spanish listening, speaking, reading, and writing skills while experiencing the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. **Prerequisite: Spanish 1.**



Required Materials: Microphone and speaker, or headset.

Spanish for Spanish Speakers 1

Credit 1 (0.5/semester)

Course Code 0709300

Designed especially for students whose primary language is Spanish, the course will help you enhance proficiency in your native language. Advance your listening, speaking, reading, and writing skills, and gain a thorough understanding of Spanish grammar fundamentals. Spanish is used exclusively in this course.

Prerequisite: Native or fluent Spanish speaking abilities required.



Required Materials: Microphone and speaker, or headset. This course can be used to meet a world language credit required for university admission and for the Bright Futures Scholarship.

Spanish 3 Honors

Credit 1 (0.5/semester)

Course Code 0708360

You will continue to build your vocabulary and communication skills even further in this honors-level course. Advanced grammar including the study of tenses, sentence structure, and punctuation is covered. Students also practice correct accents and learn to comprehend real-world native speech. **Prerequisites: Spanish 1 and 2, and teacher recommendation.**



Required Materials: Microphone and speaker, or headset.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



Career and Technical Education



Digital Information Technology

Credit 1 (0.5/semester)

Course Code 8207310

Diving into this exciting course provides you with the foundational skills needed for future careers in game development, web design, software engineering and even military defense. You'll explore Microsoft Office online applications, digital design, emerging technologies, operating systems, and much more! Learn your strengths and how they relate to potential career opportunities. This course serves as a prerequisite to many career and technical education programs of study.



This course provides a practical art credit, satisfies the character education requirement, and serves as a prerequisite to many exciting career and technical education course sequences. Additionally, this course can be used (with Foundations of Web Design and User Interface Design) as part of the three-course sequence of vocational courses for The Gold Seal/Bright Futures Scholarship.



Foundations of Programming Honors

Credit 1 (0.5/semester)

Honors Code 9007210

Learn the skills required to be competitive in today's high tech workforce. This course covers the fundamentals of programming using the computer language Python. It provides you with the concepts, techniques, and processes associated with computer programming and software development. You'll also explore the vast programming career opportunities available in this high-demand field. This course is part of a program of study that provides coherent and rigorous content needed for progression in the Information Technology career cluster. **Prerequisite: Digital Information Technology.**



Foundations of Web Design Honors

Credit 1 (0.5/semester)

Honors Code 9001110

Explore interactive, real-world scenarios to learn basic web design principles. From HTML to Adobe Dreamweaver CS6 and Photoshop CS6, this course builds a strong foundation of web design skills. **Prerequisite: Digital Information Technology.**



All necessary software is provided on a virtual desktop—no downloads required! This course provides a practical art credit and can be used (with Digital Information Technology and User Interface Design Honors) as part of the three-course sequence of vocational courses for The Gold Seal/Bright Futures Scholarship.



User Interface Design Honors

Credit 1 (0.5/semester)

Honors Code 9001120

Learn techniques to improve user experience and advanced web concepts like FTP, CSS, and search engine optimization. You will also focus on building business skills like working with clients. Students who qualify will have the opportunity to earn the Adobe Certified Associate (ACA) Web Communication using Adobe Dreamweaver certification. **Prerequisites: Digital Information Technology and Foundations of Web Design.**



This course provides a practical art credit and can be used (with Digital Information Technology and Foundations of Web Design Honors) as part of the three-course sequence of vocational courses for The Gold Seal/Bright Futures Scholarship.



Electives



Career Research and Decision Making

Credit 0.5

Course Code 1700380

This course will show you how to prepare for, get accepted to, and pay for college. You will explore different career and education pathways, study interview techniques and networking tips, create smart resumes, and learn how to plan for a successful future. Throughout the course you will be coached by Mawi Asgedom, a Harvard graduate and a student leadership expert who has trained more than a million students. Opportunity is knocking. Are you ready?



This course satisfies the character education requirement for high school graduation.

Creative Photography 1

Credit 1 (0.5/semester)

Course Code 0108310

Develop your photography knowledge, including the basics of lighting, shutter speed, and composition. Gain an understanding of professional photography, learn what creates an eye-catching photo, and build a portfolio of images.



You must have access to a digital camera (cell phone cameras are acceptable) to take this course. This course meets a performing/fine arts requirement for high school graduation.



Critical Thinking and Study Skills

Credit 0.5

Course Code 1700370

Increase your success in high school and beyond by learning proven study techniques and test-taking skills. This half-credit course teaches the ACE test-taking method to increase scores on key tests such as the ACT, SAT, and tests for graduation. Throughout the course, Mawi Asgedom, a Harvard graduate who was the first in his family to attend college, will coach you. Mawi is a student success expert who has trained more than a million students.



This course provides elective credit only.



Dave Ramsey's Foundations in Personal Finance High School Edition

Credit 0.5

Course Code 8500120

Dave Ramsey's Foundations in Personal Finance is designed to help change the way you look at money forever. This course is filled with tips on saving, budgeting, debt, investing, and much more!



This course provides elective credit only. The contents of this course are produced by Ramsey Solutions™ based upon the personal finance teachings of Dave Ramsey®. The views, information, and opinions expressed in the course are exclusively those of Ramsey Solutions and Dave Ramsey. They are not those of the State of Florida, Florida Virtual School, its agents, affiliates, or employees.

Driver Education/Traffic Safety

Credit 0.5

Course Code 1900300

Develop safe driving skills by studying the Highway Transportation System, road signs, rules of the road, and how to make good choices behind the wheel. This course fulfills the Florida Department of Highway Safety and Motor Vehicles (DHSMV) required completion of the Traffic Law & Substance Abuse Education (TLSAE). As an added benefit for completing the course with FLVS, you will also be eligible to take the Florida Learner's License (permit) exam online for FREE!

Prerequisite: Must be at least 14 and a half years old.



This course provides elective credit only.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



continued

Forensic Science 1

Credit 1 (0.5/semester)

Course Code 2002480

Fingerprints. Blood spatter. DNA analysis. Discover how clues and data are recorded and preserved, and examine some of the basic scientific principles that guide forensic laboratory processes like DNA testing, toxicology, and material analysis. This course reviews criminal investigations, with a focus on pathology, autopsies, and crime scene analysis, as well as on techniques and practices of forensic scientists during a crime scene investigation (CSI).



This course provides elective credit only and cannot be used to fulfill a science requirement for high school graduation.

Guitar 1

Credit 1 (0.5/semester)

Course Code 1301320

This introduction to the basics of music and guitar includes music notation and musical styles. You will learn practice skills, play the guitar, and perform for your instructor throughout the course.



No prior music experience is necessary, but you must have your own six-string guitar and a way to record and submit a video performance to your instructor. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation.



Intensive Math

Credit 0.5

Course Code 1200400

Develop your math skills and a deeper understanding of math concepts in this course. An individualized study plan will be developed based on your needs and will allow you to focus on the skills and math content needed to be successful in other math courses.



This course provides elective credit only.



Intensive Reading

Credit 1 (0.5/semester)

Course Code 1000410

Develop reading and writing skills while improving your vocabulary, reading comprehension, and writing fluency. You will engage in collaborative, interactive discussions with other students and your teacher while learning how to generate thoughtful questions and participate in research opportunities.



This course provides elective credit only.



Journalism 1

Credit 1 (0.5/semester)

Course Code 1006300

Explore a career in journalism and learn how to write a news story, a feature story, and an editorial. Throughout this course, you will learn best practices for conducting research and interviews, analyzing the reliability of sources, and self-editing.

Prerequisite: MJ Language Arts 3 recommended.



This course provides a practical art credit to meet the art requirement for high school graduation.



continued



Law Studies

Credit 0.5

Course Code 2106350

What are your rights as an American citizen? In this course, you will investigate aspects of family and consumer law, and learn how the state and federal court systems work. Gain an understanding of the judicial system and examine key differences between civil and criminal law.



This course provides elective credit only.



Leadership Skills Development

Credit 1 (0.5/semester)

Course Code 2400300

Succeed in high school, college, and beyond by taking your future into your own hands. In this two-semester course, you will learn how to take action, manage your time, chart your goals, and many other leadership techniques.



This course provides elective credit only.

Life Management Skills

Credit 0.5

Course Code 0800300

Learn how to deal with real issues that impact your everyday life, such as nutrition, substance abuse, stress, and health. This course provides you with the facts you need to make important and informed decisions.



This course provides elective credit only. It does not satisfy the Health/Physical Education requirement for graduation.

Music of the World

Credit 1 (0.5/semester)

Course Code 1300340

Take your knowledge of music to the next level. Learn about the impact of music and how it represents different cultures while “meeting” musicians and composers and discussing their works. Gain a historical perspective of music and experience a variety of musical styles, from the Middle Ages through the 21st century.



This course meets a performing/fine arts requirement for high school graduation.

Parenting Skills

Credit 0.5

Course Code 8500300

Parenting involves more than having a child and providing food and shelter. Take this one-semester course to explore parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships.



This course provides elective credit only.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



continued



Peer Counseling 1

Credit 0.5

Course Code 1400300

Gain the skills to help you succeed in all areas of your life. You will learn how to take action, set goals, manage your time, and help your peers. **This course is recommended for ELL (English Language Learner) students but open to all students.**



This course provides elective credit only.



Peer Counseling 2

Credit 0.5

Course Code 1400310

Increase your confidence and build your social skills as you learn how to conquer peer pressure, social anxiety, and the unnecessary risks that can derail your future. In this course you'll discover how your "super-charged" teen brain really works. By the end of your training, you will have new power to direct your own life and lead your classmates. **Prerequisite: Peer Counseling 1.**



This course provides elective credit only.



Psychology 1

Credit 0.5

Course Code 2107300

Where do thoughts and memories come from? What are emotions? Why do we behave the way we do? This course will help you to begin to understand the human mind by exploring the research and theories of some of the most brilliant psychologists throughout history. In addition, learn psychological tips that you can use every day, like how to cope and reduce stress.



This course provides elective credit only.



Social Media 1

Credit 0.5

Course Code 1006375

Explore your individual contribution and influential powers by identifying your digital imprint. In this course, you will examine the world through social media, where citizen journalism is the news, personal audiences are your critics and your supporters, and personal connection is subjective.



This course provides elective credit only. Active use of the social media network of your choice is required for this course (Twitter, Instagram, Facebook, etc.)



Theatre, Cinema, and Film Production

Credit 1 (0.5/semester)

Course Code 0400660

Explore the elements of theater and cinematic techniques used by those who create performance productions. As you progress through the course you will view the historical development of different genres and the reasons why they were used. You will also be exposed to a detailed view of film and theater backstage operations and asked to speculate on why a director chooses certain perspectives.



This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation.



Advanced Placement

You must submit the required application for any AP course you wish to take. Placement in an AP course is subject to school counselor and course teacher approval.



AP Art History

Credit 1 (0.5/semester)

Advanced Code 0100300

Within AP Art History, you will explore the interconnections between art, culture, and historical context through the critical lenses of artistic expression, cultural awareness, and purpose. **Prerequisite: Currently taking or already completed World History.**



This course is recommended for students in 10th, 11th, or 12th grade only due to the mature content. This course meets a performing/fine arts requirement for high school graduation.



AP Biology

Credit 1 (0.5/semester)

Advanced Code 2000340

This challenging two-semester course engages you in a wide variety of activities. There is substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays, and mastering biology concepts. **Prerequisites: Biology 1, Chemistry 1, and Algebra 1 recommended.**



This course meets one required science credit for high school graduation.

AP Calculus AB

Credit 1 (0.5/semester)

Advanced Code 1202310

Comparable to college and university calculus, this course helps prepare you for the Calculus AB Advanced Placement exam. Study limits, continuity, differentiation, integrated algebraic, trigonometric, and transcendental functions, and the applications of derivatives and integrals. **Prerequisites: Algebra 1, Geometry, Algebra 2, and Pre-Calculus or Trigonometry/Analytical Geometry.**



This course meets one required math credit for high school graduation.

AP Calculus BC

Credit 1 (0.5/semester)

Advanced Code 1202320

Comparable to college and university calculus, this course will help prepare you for the Calculus BC Advanced Placement exam. Study limits, continuity, differentiation, and integrated algebraic, trigonometric, and transcendental functions, as well as explore applications of derivatives and integrals, infinite series, and parametric and polar equations. **Prerequisites: Algebra 1, Geometry, Algebra 2, and Pre-Calculus or Trigonometry/Analytical Geometry.**



This course meets one required math credit for high school graduation.

AP Computer Science A

Credit 1 (0.5/semester)

Advanced Code 0200320

Develop the skills required to write programs or parts of programs to correctly solve specific problems. You will learn design techniques to make programs understandable, adaptable, and reusable. **Prerequisites: Algebra 1, Geometry, and Algebra 2.**



This course provides elective credit only.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



This course offers a mobile-friendly experience.



continued

AP English Language and Composition

Credit 1 (0.5/semester)

Advanced Code 1001420

Read and analyze prose written in various periods, disciplines, and rhetorical contexts while gaining an understanding of the interactions among a writer's purposes, audience expectations, and subjects. **Prerequisites: English 1 and 2; this course is for students in 11th grade or above.**

 This course meets one required English credit for high school graduation.

AP English Literature and Composition

Credit 1 (0.5/semester)

Advanced Code 1001430

Develop critical standards for the appreciation of literary works and increase your sensitivity to literature as a shared experience. **Prerequisites: English 1, 2, and 3; this course is for students in 12th grade.**

 This course meets one required English credit for high school graduation.

AP Environmental Science

Credit 1 (0.5/semester)

Advanced Code 2001380

Learn the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. You will evaluate the risks associated with environmental problems and examine alternative solutions in virtual labs. **Prerequisites: Algebra 1 and two years of high school science, with labs.**

 This course meets one required science credit for high school graduation.

AP Human Geography

Credit 1 (0.5/semester)

Advanced Code 2103400

Explore the patterns and processes that impact the way humans understand, use, and change Earth's surface. Geographic models, methods, and tools help you examine the effect that human social organization and interconnections have on our world. **Prerequisites: This course is for students with advanced reading and writing skills. Completion of previous advanced or honors level English/Language Arts courses with a C or above strongly recommended.**

 This course provides elective credit only.

AP Macroeconomics

Credit 0.5

Advanced Code 2102370

Understand the choices you make as a producer, consumer, investor, and taxpayer. This course provides you with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants. **Prerequisite: Recommended for 12th grade.**

 This course meets the Economics high school graduation requirement.

AP Microeconomics

Credit 0.5

Advanced Code 2102360

By taking on the role of a leader at a fictitious company, you will learn fundamental economic concepts, including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, exchange, money, and interdependence. **Prerequisite: Recommended for 12th grade.**

 This course meets the Economics high school graduation requirement.



continued

AP Psychology

Credit 1 (0.5/semester)

Advanced Code 2107350

Immerse yourself in modern psychological techniques investigating the ethics and morality of human and animal research. In this college-level course, you will learn the psychological facts, principles, and phenomena associated with each major area of psychology and enhance your scientific critical thinking skills.



This course provides elective credit only.

AP Statistics

Credit 1 (0.5/semester)

Advanced Code 1210320

Actively construct your own understanding of the methods, interpretation, communication, and application of statistics. Each unit is framed by ideas and questions designed to provide you with a deep understanding of the concepts at hand, rather than memorization and emulation. **Prerequisites: Algebra 1, Geometry, and Algebra 2.**



This course meets one required math credit for high school graduation.

AP United States Government and Politics

Credit 0.5

Advanced Code 2106420

Research the roles of the media, political parties, interest groups, states, candidates, bureaucracy, and the public in the governmental process. You will experience the production of policy building in multiple economic and social settings. **Prerequisite: United States History; recommended for 12th grade.**



This course meets the United States Government high school graduation requirement.



AP United States History

Credit 1 (0.5/semester)

Advanced Code 2100330

Examine key themes and events of our history, including American identity, diversity, religion, culture, war, and slavery, as well as economic, political, and demographic changes. You will also analyze globalization and environmental issues. **Prerequisite: Advanced reading and writing skills required; recommended for 11th grade or above.**



This course meets the United States History high school graduation requirement.



Important information to note before signing up for a course.



Certificate available upon successful completion of course and exam.



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