



# DOWNTOWN CYBER ACADEMY

PROGRAM OF STUDY  
2023-24

[DC.DASD.ORG](https://dc.dasd.org) | [CYBERACADEMY@DASD.ORG](mailto:CYBERACADEMY@DASD.ORG)



# ADMINISTRATORS

Kecia Nesmith, Principal

Kristie Burk, K-12 Coordinator of Online Learning



# INTRODUCTION

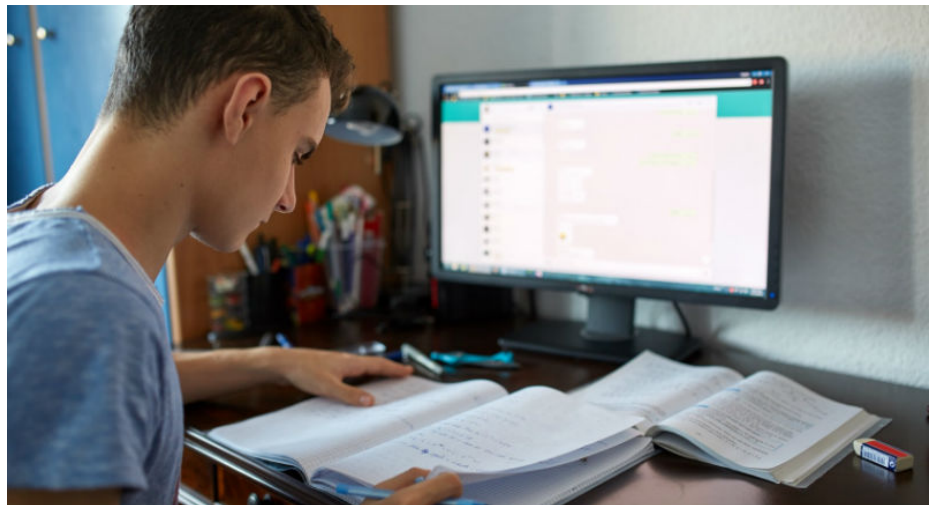
The Downingtown Cyber Academy's online curriculum includes self-paced, rigorous classes using the latest instructional tools in a vibrant virtual classroom. DASD teachers skilled in online instruction help students master the skills they need to succeed—in today's classroom and tomorrow's workplace.

Before starting the program, the student, parents/guardians, and school counselor will meet to schedule a student for the combination of face-to-face and online classes that meet the student's individual needs.

Downingtown Cyber Academy students are still considered students in their local high school, including full-time cyber students. The program allows the students to participate in various activities, music lessons, clubs, and after-school programs.

## OUR MISSION

The Downingtown Cyber Academy's mission is to provide a unique online environment to meet the individual needs of our K-12 Downingtown Area School District students. We offer flexible, innovative, and engaging student-centered cyber-learning experiences to help students achieve academic and personal excellence.



[This Photo](#) by Unknown Author is licensed under [CC BY](#)



## Academics

- Solid foundation
- Competencies



## Student Agency

- Student choice
- Scheduling flexibility



## Community

- Prepared graduates
- Leaders



This Photo by Unknown Author is licensed under CC BY-ND

# OUR VISION

The DOWNTOWN Cyber Academy strives to be a nationally recognized leader in K-12 online education. We aim to

- Build a solid academic foundation in our students in all academic areas, including the arts, through meaningful and relevant projects.
- Foster critical thinking, communication, collaboration, and creativity competencies.
- Provide scheduling flexibility for the students throughout the school year through various traditional, blended, and fully online options.
- Embrace more student choice in the pace, place, path, and time of their learning.
- Engage students in learning with innovative technology tools.
- Prepare students for post-secondary education and future employment.
- Challenge our graduates to become problem solvers, innovators, and responsible leaders in their community.
- Create a community of students, families, and staff committed to helping students achieve their full potential.





# INSTRUCTION

The Downingtown Cyber Academy provides course offerings for students in grades 9-12 that allow more flexibility throughout the week. Teachers will provide synchronous sessions and asynchronous work at the secondary level for direct instruction, group work, extra help, and community building.

Students in the secondary program can work during days and times convenient for them. All coursework is assigned on Monday and is due by Sunday. There are no due dates other than occasional discussion forum posts during the week.

In 9th - 12th grades, Zooms will occur multiple times per cycle, depending on the class and the credits. If a DASD adjunct teacher teaches courses, Zooms will be held one time per week after school hours.

## STUDENT ELIGIBILITY

All Downingtown Area School District students in grades 9-12 have an option to take high school cyber courses.

## SPECIAL EDUCATION SERVICES

All DASD students may consider participating in the Downingtown Cyber Academy. Special Education students who have some of their needs met through specially designed instruction must discuss cyber education at an IEP meeting. The team will determine the supports needed to access the student's study program. The cyber teachers and case managers will ensure compliance with all required modifications and accommodations. The students will continue to have a DASD case manager if they transfer into the cyber program full-time.

## PART TIME AND FULL TIME

Students in grades 9-12 are allowed to participate in the DCA as a full-time student or a part-time student. In the 22-23 school year, 68% of our high school students were part-time, meaning they took one or more courses at their home school.

**The DCA's mission is to provide a unique online environment to meet the individual needs of our K-12 DASD students.**



# ENROLLMENT

High school students register for cyber courses during the course selection period in January and February. Classes will run based on a minimum number of registered students.

Students who wish to participate in the DCA as full-time students must also complete [the enrollment form found on our website](#). Students who register during course selection time as full-time students will have priority for course selections.

When applying to the DCA, the district staff will gather evidence that the student possesses the time management skills and discipline to participate successfully in virtual instruction, which can often be more challenging than face-to-face classes. The high school student should be

- Self-motivated
- Disciplined
- Proactive
- Tenacious
- Persistent
- Able to learn independently or with minimal assistance
- Willing to ask for help
- Able to plan and manage time well
- Able to meet deadlines
- Communicative with both adults and other students
- Comfortable expressing themselves in writing
- Comfortable being on video
- Be comfortable in a "virtual environment" - email, sending attachments, online discussions, etc.
- Unafraid to try new things

## DCA ENROLLMENT TRIAL PERIOD

We want to give every student the opportunity to develop the characteristics necessary to be an online learner.

Students will have a three-week trial period when they join the DCA.

If the student does not consistently log their attendance, complete assignments on time, or earn passing grades, they will first be required to attend a virtual meeting with their parents/guardians and the DCA Administration to create a plan to help the student. This plan may include having the student attend the DCA Drop-in Center. Students who continue to fail their online courses or who are truant will be returned to in-person learning. This should not be seen as a punishment for the student. Instead, we want to provide the student with the most appropriate education to meet their needs as a learner.

## REGISTRATION

Students who wish to be full-time cyber students can enroll throughout the school year for the start of the next marking period. Students who wish to be part-time students after the school year begins will need administrative approval to transfer one or more classes.

START

DEADLINE

FIRST DAY OF SCHOOL

JULY

MARKING PERIOD 2

2 WEEKS PRIOR TO END OF MARKING PERIOD 1

MARKING PERIOD 3

2 WEEKS PRIOR TO END OF MARKING PERIOD 2



# GRADUATION REQUIREMENTS

Graduation Requirements Include:

1. Completion of 24 Credits (at least one of which must be blended or cyber)
2. Completion of Graduation Project
3. Achievement of a score of Proficient or Advanced on Keystone Exams in Algebra 1, English Literature, and Biology (or the satisfaction of an alternative graduation pathway under Act 158)

Graduation from Downingtown High School shall be based upon the 9th, 10th, 11th, and 12th grade achievements. A student who fails to meet the requirements for graduation may not participate in class commencement ceremonies.

REQUIRED COURSES	REQUIRED CREDITS
ENGLISH	4.0
SOCIAL STUDIES	4.0
MATH (MUST INCLUDE ALGEBRA 1 AND GEOMETRY)	3.0
SCIENCE (MUST INCLUDE BIOLOGY)	3.0
WORLD LANGUAGE	1.0
ADDITIONAL MATH, SCIENCE OR LANGUAGE	1.0
WELLNESS AND FITNESS	.5
HEALTH	.5
PHYSICAL EDUCATION (2 ELECTIVES)	.66
ELECTIVES	6.0
GRADUATION PROJECT	.34



**We offer flexible, innovative, and engaging student-centered learning experiences to help students achieve academic and personal excellence.**



# **CLASS REQUIREMENTS**

The Downingtown Cyber Academy classes are completely online and asynchronous. There will be an optional, synchronous component of each course. All high school courses have Zoom times.

## **SCHOOL CALENDAR**

Students in the Downingtown Cyber Academy will follow the Downingtown Area School District school calendar, including vacations, inclement weather days, early dismissals, and holidays.

The Downingtown Cyber Academy will follow DASD's marking period schedule.

## **WEEKLY WORK**

Although students have some freedom to work on material throughout the week at their own pace, they must complete assignments by the end of each week.

Students should plan to spend approximately 5 hours on each one-credit cyber course and 2.5 hours on each .5 credit course per week.

## **KEYSTONE EXAMS**

Students taking Algebra I, 10<sup>th</sup> Grade English or Biology will be required to take the Keystone exam in person at their home building at the end of the school year.

## **ATTENDANCE**

DCA students must log their attendance in Infinite Campus when they have a scheduled DCA course.

If a student is marked absent, parents must send an excuse note to [cyber\\_attendance@dasd.org](mailto:cyber_attendance@dasd.org) within three days.



## Academics

- Solid foundation
- Competencies



## Student Agency

- Student choice
- Scheduling flexibility



## Community

- Prepared graduates
- Leaders

# COURSE CHANGES

Once the school year begins, if a student is in jeopardy of failing a course, the following steps must be taken prior to the principal considering a course change:

- The teacher and student must work together to improve student outcomes.
- A parent-teacher-student conference should be conducted to address concerns. This meeting may also include a School Counselor.
- The student must show evidence of making an effort to improve their grade (seeking extra help, peer tutoring, etc.).
- The Administrator should review multiple sources of information and data.
- For any approved course change that happens after the mid-mark of the first marking period, the grade from the dropped course will follow the student into the new course.
- Any student dropping a course after the first five weeks will receive a “WF” for the year in all courses dropped. “WF” indicates “Withdraw Failure” on the report card.

# COURSE PROGRESSIONS

Please view the DCA Program of Study for a comprehensive description of course progressions for each department.



# ART

## **7216C - Traditional and Digital Drawing**

.5 credit

Students will explore and practice the various drawing techniques of fine art and graphic design. Basic drawing skills will be developed traditionally by hand and digitally on the computer. Materials include pencil, charcoal, colored pencil, pen & ink, pastel, mixed media, Photoshop, or Adobe Illustrator. There will be teacher-directed lessons, demonstrations, and ample time for independent, creative expression culminating in a digital portfolio of course work.

# BUSINESS AND COMPUTER SCIENCE

## **6991C - Introduction to Computer Science/Programming**

.5 credit

A fundamental understanding of computer science enables students to be educated consumers of technology. They can become innovative creators capable of designing computing systems to improve people's quality of life. The course focuses on logical reasoning, computational thinking, and problem-solving using discovery learning. It incorporates Arduino microcontrollers, Finch robots, and object-oriented programming language(s). This course is intended to help students realize that Computer Science leads to multiple career paths in the digital, programmable world in which they live. This course provides an excellent foundation in computer science principles for the AP Computer Science courses.

## **6218C - Introduction to Business**

.5 credits

As the nature of work continues to change, business education becomes increasingly important to all students. This course provides students with the opportunity to develop the skills and techniques necessary for success in the local and global workplace. This course will introduce students to finance basics, the decision-making techniques to be wise consumers, the economic principles of an increasingly international marketplace, and the businesses' processes. This course is ideal for ninth and tenth graders looking for a solid introduction to business content and practices. Additionally, they receive background knowledge that students can apply to other business courses, such as Accounting, Entrepreneurship, Finance and Investment, Business & Personal Law, and Marketing.

## **6416C - Personal Finance /Career Planning**

.5 credit

Understanding and managing personal finances and developing a career path are integral to one's future financial success. This course studies money management and career exploration from the individual's viewpoint. Students will learn money management skills such as saving and investing, budgeting and managing debt, understanding

consumer credit and protection, student loans, and insurance. Since earning an income is a crucial component of financial independence, students will also develop an individual career plan. They will analyze personal career interests, values, aptitudes, research education, and training requirements and practice basic job search skills such as completing applications and resumes and participating in interviews.

### **6458C - Business Management in Entertainment and Sport**

.5 credit

This course is designed to provide a comprehensive look at the necessary organizational structures and the managerial concepts and processes found in the sport and entertainment industry. Students will be introduced to leadership theory and the tools and techniques involved in running a sport, fitness, or entertainment organization. Programs like Virtual Business Sports will simulate running the many phases of a football franchise. For example, students practice handling promotions, develop ticket pricing strategies, evaluate stadium and concert locations, control operations and staffing, and more.

### **6448C – Marketing**

.5 credit

Students will become familiar with the principles and functions of marketing and the skills needed to succeed in marketing programs of study and careers. Course content includes the marketing concept, the marketing mix, and legal and ethical issues. Students will practice product development and decision-making regarding distribution, pricing, and promotion and participate in case studies. Students will also create commercials, press releases, and other promotional products. Students will analyze the impact of social media as an element of promotional campaigns.

### **6316C – Accounting**

1 credit

This course introduces accounting concepts and principles, financial statements, internal control design, and accounting for partnerships. The student will explore corporate accounting and financial statements, long-term liabilities, cash flow, financial statement analysis, managerial accounting, budgeting, and financial data to make business decisions.

# ENGLISH

### **0011C - 9th Grade English**

#### **0014C - Honors 9th Grade English**

1 credit

This introductory survey course samples diverse literary periods and is divided into thematic units of study. Students will read various novels, dramas, short stories, nonfiction essays, and poetry. Particular emphasis is given to developing competency in close reading, writing with a focus on analysis, practicing argumentative public speaking, vocabulary, and the movement from concrete to abstract thinking skills. Students will also engage in independent learning. S

### **0021C - 10th Grade English**

#### **0024C - Honors 10th Grade English**

1 credit

This intermediate survey course is divided into thematic units of study. Students will read various novels, memoirs, dramas, nonfiction essays, and poetry. Particular emphasis is given to further development of close reading skills, analytical writing, vocabulary building, argumentative public speaking, standardized test preparation, and an

introduction to the research process. Students will also engage in independent learning. At the end of this course, students will take the Literature Keystone exam.

**0031C - 11th Grade English**

**0034C - Honors 11th Grade English**

1 credit

This American Literature course is divided into thematic units of study. Students will study various novels, dramas, nonfiction texts, films, short stories, and poetry. Particular emphasis is given to competency in close reading skills and analytical writing, the research process, standardized test preparation, refining argumentative public speaking, additional vocabulary development, and an introduction to the college essay. Students will also engage in independent learning.

**0035C - AP English Language and Composition**

1 credit

In this Advanced Placement course, the study of language and composition will focus on the advanced critical, analytical, and writing skills necessary for the Advanced Placement Language and Composition Exam. Although the course will focus on shorter nonfiction pieces, students will also need to complete independent readings of longer works to analyze the author's use of language throughout. Students will construct and write numerous essays in various rhetorical modes, such as comparison-contrast, process-analysis, explication, argumentation, and synthesis. They will analyze the rhetorical devices used in published persuasive pieces. This course will require extensive amounts of independent reading and writing and an understanding and application of the study of rhetoric. To receive AP weighted credit, the students must take the AP Exam in May. Summer work is a required component of this course.

**0041C - 12th Grade English**

**0044C - Honors 12th Grade English**

1 credit

This World Literature course is divided into thematic units of study. Students will study a variety of novels, dramas, nonfiction texts, short stories, and poetry. This course equips students with close reading skills, writing across genres fluently, argumentative public speaking abilities, grade-level vocabulary, and more advanced research skills necessary for college and the workplace. Students will also finish the college essay and engage in independent learning.

**0045C - AP English Literature and Composition**

1 credit

In this Advanced Placement course, the study of language, composition, and literature will focus on the advanced analytical and critical skills required in the Advanced Placement exams. Students will engage in extensive independent reading, writing, and argumentative public speaking in this seminar class. Students will complete a variety of argumentative and creative assignments. To receive AP weighted credit, the students must take the AP Exam in May. Summer work is a required component of this course.

**0056C - Creative Writing I**

1 credit

Creative Writing I is a course for students to write and read their original work. The course focuses on language, techniques, and traditions in four genres: nonfiction/memoir, fiction, drama, and poetry. Students read and discuss works of established authors, investigate strategies that authors use to craft their poetry and prose, engage in writing-intensive exercises that address elements of craft (voice, character, image, scene, setting, etc.), learn revision through the workshop process, and participate in workshop sessions. By the end of the course, students will have a portfolio of their work that includes pieces from each studied genre.

# FAMILY CONSUMER SCIENCE

## **7738C - Child Development**

.5 Credit

A child's early years are crucial in forming their personality and intelligence for the remainder of their life. Students in Child Development learn about children from the prenatal stage through the preschool age. They apply their knowledge using the computerized baby, participating in a parenting simulation, and observing children from birth to preschool.

# HEALTH AND PHYSICAL EDUCATION

## **8016C - 9th Grade Wellness\***

.5 credit

This course is designed with health promotion and disease prevention as central components. The focus is on health fitness, including experiences, attitudes, knowledge, and skills that promote and maintain a lifelong active lifestyle. Students set personal goals and participate in life activities that incorporate the health components of fitness. Activities and learning experiences help students understand the cognitive, affective, and behavioral components of physical activity.

\*This course is only open to full-time cyber students.

## **8296C - Health Education\***

.5 credit

The benefits of nutrition and exercise are among the many health-related topics covered in this course. Students gain awareness of their fitness level and nutritional needs by studying the body's musculature and respiratory system. This course satisfies the health graduation requirement.

\*This course is only open to full-time cyber students.

## **8026C - Lifelong Activities\***

.33 credit

This course provides students with the necessary skills and information to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre-and post-fitness assessments to measure and analyze their fitness levels based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. Students research the benefits of physical activity in this course and the techniques, principles, and exercise guidelines to keep them safe and healthy. Students participate in a weekly fitness program involving cardio, strength, and flexibility throughout this course.

\*This course is only open to full-time cyber students.



### **8397C - Driver Safety Education**

.33 credit

Driving a motor vehicle is a huge responsibility for a student. This course provides students with the knowledge needed to enter the traffic system as vehicle operators. By assisting students with driving-related decision-making, students learn to think critically and develop proper attitudes toward defensive driving. The course uses the Pennsylvania Enhanced Driver Education module and meets the state's 30 classroom instructional hours requirement. The class includes vehicle maintenance, vehicle purchasing, and automobile insurance information. Combined with behind-the-wheel training, this course may enable students to receive lower insurance rates.

# MATH

### **2012C - Algebra I**

1 credit

Algebra I is the first course in the series of academic math courses necessary for college admission and the satisfaction of state/national mathematics content standards. The course will include the following content: the real number system, solving one-variable equations and inequalities, linear equations and inequalities, systems of linear equations and inequalities, coordinate graphing, factoring polynomials, simplifying rational and radical expressions, properties of exponents, and answering questions based on data displays, statistical calculations, and probability. Students will work on problem-solving and completing open-ended responses. At the end of this course, students will take the Algebra I Keystone exam.

### **2031C - Algebra II**

### **2034C - Honors Algebra II**

1 credit

This course is designed to extend students' understanding of algebraic concepts and introduce the idea of functions. The course will include the following content: systems of equations, absolute value functions, quadratic functions, polynomial functions, exponential functions, logarithmic functions, radical functions, rational functions, and statistics. Prerequisite: Algebra I

### **2021C - Geometry**

### **2024C Honors Geometry**

1 credit

College-bound students take this Geometry course to prepare for the SAT. Geometry is the systematic study of points, lines, planes, circles, congruence, and similarity of polygons (focusing on triangles and quadrilaterals) and the area and volume of solid figures. Students also study deductive reasoning by introducing two-column formal proofs and paragraph proofs in this course. Also, students will extend their understanding of probability. Prerequisite: Algebra I

### **2041C - Pre-Calculus**

### **2044C - Honors Pre-Calculus**

1 credit

Pre-calculus is a rigorous course designed to prepare students for Calculus at either the high school or college level. A strong background in Algebra II is expected. A significant portion of the course is devoted to trigonometric

functions. Right triangle trigonometry definitions are explored concerning the circle and as periodic functions. Other trigonometry topics include solving trigonometric equations and verifying trigonometric identities. The course advances these algebra topics: polynomial functions, exponential and logarithmic functions, conic sections, sequence and series, and an introduction to limits. Honors Pre-calculus also includes an introduction to calculus concepts. A TI-83 or 84 series graphing calculator is recommended for this course. Prerequisite: Algebra II or Algebra III & Trigonometry.

### **2051C - Calculus**

1 credit

This course begins with a review of the algebraic skills and trigonometric concepts necessary for success in Calculus. A chapter on limit theory is then covered before introducing the derivative and its applications. Students also study anti-derivatives and the definite integral and its applications. All materials are prepared (and supported by the DASH instructors) for the TI-83 or 84 series calculators. Students who earn a grade of C or higher may elect AP Calculus AB or AP Statistics.

### **2055C - AP Calculus AB**

1 credit

The Advanced Placement course will follow the prescribed outline recommended by the Advanced Placement Program Guide. AP Calculus covers at least as much material as standard first-semester college calculus. Topics include elementary functions, differential calculus, and integral calculus. Applications of the derivative and the integral are emphasized. Students who enroll in this course are encouraged to take the Advanced Placement Exam as part of the course requirements. Two sections of the AP exam and all classwork, assignments, and tests require a graphing calculator. A TI-83 or 84 series calculator is therefore required for this course. Prerequisite: Pre-calculus, Honors Pre-calculus, or Calculus. To receive AP weighted credit, the students must take the AP Exam in May.

### **2071C - Probability/Statistics**

1 credit

This course provides a foundation in the study of probability and statistics. It offers descriptive statistics in one and two variables, normal and binomial distributions, counting techniques, rules of probability, odds, and expected value. Students use computers and graphing calculators to assist with computations and interpret the results in various contexts. This course is NOT sufficient preparation for AP Statistics. It should not be taken by juniors unless accepted as an elective in addition to their math classes in the regular sequence. Prerequisite: Algebra II.

### **2037C - Trigonometry/Algebra III**

1 credit

This course reinforces and extends the topics covered in Algebra II and introduces Trigonometry. Topics include equations and inequalities, functions and graphs, polynomials, rational functions and expressions, radicals, exponential and logarithmic functions, and matrices. The trigonometry portion covers the definitions and graphs of the trig functions, identities and equations, and practical applications. A TI-83 or 84 series graphing calculator is used extensively and is recommended for this course. Students with a "C" or better may elect Pre-calculus next year. Students may also elect to take Probability and Statistics. Prerequisite: Algebra II.

# MUSIC

## **5707C - Music Theory**

.33 credit

Music Theory is a course that exposes students to the basic fundamental concepts of music. Theory study includes note reading, rhythms, key signatures, scales, chords, ear training, and the basic I, IV, and V chordal analysis. Students will learn basic composition and music writing techniques.

# SCIENCE

## **3221C - Biology I**

### **3224C - Honors Biology I**

1 credit

This course covers biological concepts, including scientific inquiry, evolutionary theory, biochemistry, cellular structure, functions and processes, genetics, and ecology. At the end of this course, students will take the Biology Keystone Exam.

## **3671C - Introduction to Chemistry and Physics**

1 credit

This course will cover topics of a fundamental nature in physics and chemistry. The topics are laws of motion, the universal law of gravitation, energy, work, electricity, atomic structure, the Periodic Table, bonding, nomenclature, chemical reactions, and gas laws. Prerequisite: Biology.

## **3431C - Chemistry I**

### **3434C Honors Chemistry I**

1 credit

This course focuses on many topics in Chemistry, including measurement and science skills, properties of matter, atomic theory, the Periodic Table, chemical bonding, nomenclature, chemical structures, intermolecular forces and their impact on molecule shape, chemical reactions, the mole and other chemical quantities, stoichiometry, gas behaviors, properties of solutions, acid-base theory, and nuclear chemistry. The honors level also includes the study of thermodynamics. Prerequisites: Algebra I. (Recommendation of concurrent Algebra II for students registering for Honors.)

## **3531C - Physics I**

1 credit

This course is a laboratory-based program of study that concentrates on the nature of motion and Newtonian mechanics. It covers one-dimensional and two-dimensional motion, Newton's Laws of Motion, the Conservation of Momentum and collisions, the transfer, and the Conservation of Energy. The honors level also covers two-dimensional collisions, rotational mechanics, and simple harmonic motion. Prerequisites: Geometry and Algebra II.

### **3771C - Environmental Science**

1 credit

This course continues students' understanding of the environment begun in Biology I. Students will investigate environmental issues impacting local, state, national, and global communities. They will study various topics, including populations, preservation of natural resources, and pollution (air, land, and water).

### **3774C - AP Environmental Science**

1 credit

The Advanced Placement Environmental Science course is the equivalent of an introductory college environmental science course. The content includes Land Use, the Living World, Populations, Resources and Consumption, Pollution, and Global Change. The course consists of a rigorous laboratory and fieldwork component. This component aims to complement the classroom portion of the course by allowing students to learn about the environment through firsthand observation. The major themes of mastery of content, science as a process, and environmental science are stressed. Students who enroll in AP Environmental Science take the AP Environmental Science Exam in May. Prerequisites: Biology I and Chemistry I. To receive AP weighted credit, the students must take the AP Exam in May.

### **3991C - Natural Disasters**

1 credit

This earth science course will investigate a variety of natural disasters and our subsequent preparedness as a society. Natural hazards have reshaped life on Earth in the past and will continue to do so. To be sufficiently prepared for any disaster, we must understand the science behind the hazard itself. As such, this course will emphasize the interaction of Earth's five unique spheres: the exosphere, lithosphere, atmosphere, hydrosphere, and biosphere. The project-based framework of the course will allow for content knowledge to be applied.

### **3781C - Forensic Science**

.5 credits

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly using the techniques and knowledge from the sciences to understand better the crimes committed and catch those responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on forensic scientists' techniques and practices during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various crime scenes are analyzed and processed.

## **SOCIAL STUDIES**

### **1111C- World History**

### **1114C - World History Honors**

1 credit

This course is a survey course that will examine the events of history from early civilizations to our modern global society. This course will look at the major political, economic, and social developments on the African continent, the countries of Asia, Latin America, and Western Europe. We will examine the social and cultural values that shaped these societies to understand better the diversity that drives global society today.

**1331C - United States History [10th Graders]**  
**1334C - Honors United States History [10th Graders]**  
**1338C - United States History [11th Graders]**  
**1337C - Honors United States History [11th Graders]**  
1 credit

This US History course is a survey course of our nation's history from 1920 to the present. This course aims to provide students with content knowledge and understanding of current American political, cultural, and social institutions.

**1385C - AP United States History**  
1 Credit

The Advanced Placement Program in United States History content includes U.S. history from exploration to the present. It develops analytical skills and factual knowledge necessary to think critically about the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands equivalent to full-year introductory college courses. Students learn to access historical materials, determine the relevance, reliability, and importance of that material to a given problem, and weigh the evidence and interpretations presented in historical scholarship. An Advanced Placement United States History course develops the skills necessary to arrive at conclusions based on an informed judgment and present reasons and evidence clearly and persuasively in essay format. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.

**1541C - American Government/Sociology**  
**1544C - Honors American Government/Sociology**  
1 credit

The American Government semester course aims to study our Federal, State, and Local governments' organization and function. Current events are a significant component of the course. The purpose of the semester course serves as an introduction to the social science of Sociology. In Sociology, students use scientific methods such as surveys, statistical analysis, and student-oriented class discussions to gain insight into the forces at work in themselves and society.

**1545C - AP Government and Politics, US/Honors Sociology**  
1 credit

The purpose of the semester course in Advanced Placement Government and Politics, U.S., is to provide a detailed study of the structures and functions of the three branches of the U.S. government, the U.S. Constitution, and the federal system. The course is designed to meet the requirements of a first-year college U.S. Government course. Emphasis is placed on preparation for the AP examination, including self-directed learning, increasing knowledge, objective test-taking skills, and writing short essays. Students who enroll in this course are expected to take the Advanced Placement Exam in May. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.

**1555C - AP World History**  
1 credit

This course will examine the events of human history from early settled societies to our contemporary global society. This course has a global perspective and will look at the major political, economic and social developments in Asia, Europe, Africa, and the Americas. We will examine the social and cultural values that shaped these societies to understand better and appreciate the differences and similarities that inform all human societies. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.

### **1825C - AP Human Geography**

1 credit

Human geography is how humans impact the environment from a local to a global perspective. This course introduces students to the systematic review of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research. AP Human Geography can lead to a future in over seventy-one (71) career areas and twenty (20) college majors. Architects, biological and forensic scientists, engineers, sociologists, lawyers, social workers, and those in the fine arts can benefit from human geography knowledge. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.

### **1801C - Introduction to Psychology**

.5 credit

Students understand human behavior, including biological foundations, the brain, sensation, motivation, and perception. Students explore the relationship between learning and memory, various personality theories; emotions; states of consciousness; cognition; life-span development, and applied psychology.

### **1815C - AP Psychology**

1 credit

This course introduces students to the systematic and scientific study of human behavior, mental processes, and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each major subfield within psychology. They also learn about psychologists' ethics and methods in their science and practice. Well-developed organization, analytical thinking, and communication skills are essential for success. Students who enroll in AP Psychology take the AP Psychology Exam in May. AP Psychology can lead to future coursework in various career areas. It is used across clinical settings such as health practitioners, Psychiatric and Substance Abuse Centers, Outpatient Care Centers, and other residential care facilities; in educational settings such as Elementary and Secondary schools and Educational Support Service providers. In Industry, the subject is relevant to Employment Services, Scientific Research and Development Services, Law Enforcement, and Home Health Care Services. Summer work is a required component of this course. AP courses have an additional 1.0 weight. To receive AP weighted credit, the students must take the AP Exam in May.

## **WORLD LANGUAGES**

Students wishing to accelerate their language progressions may elect to take two-semester courses in one year. Students can combine the following courses to earn 2 World Language credits in one year:

French I and French II

French II and French III

German II and German III

Spanish I and Spanish II

Spanish II and Spanish III



**4216C - French I****4216SC - French I (1 semester)**

1 credit

French I is an introductory course that develops students' basic communication skills in the target language: reading, writing, listening, and speaking. There is an emphasis on elementary grammar constructions and vocabulary acquisition, providing the foundation for basic communication. In this course, students learn and understand French and francophone cultures.

**4226C - French II****4226SC - French II (1 semester)**

1 credit

French II is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is a continued emphasis on grammatical constructions, mainly the past tense and vocabulary acquisition. Students are equipped to successfully navigate a range of basic interpretive tasks and oral communicative tasks in straightforward social situations. Exploring French and francophone cultures is continued through the core and supplemental resources, such as authentic and textbook resources, short reading samples from ads, magazines and newspapers, music, online help, and video clips. Prerequisite: French I.

**4236C - French III****4236SC - French III (1 semester)**

1 credit

French III is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is an emphasis on complex grammatical constructions, including some specific to the target language. Students recombine previously learned material to express personal meaning through speaking and writing creatively. Interpretive skills are refined as students are exposed to authentic listening scenarios and texts that mimic real-world exposures. French and francophone culture and history are studied in greater detail, with much communication and discussion around related topics in the target language. Prerequisite: French II.

**4246C - French IV**

1 credit

French IV is an advanced course that utilizes skills that emphasize all communicative domains. Students develop their spontaneous interpersonal and presentational communication abilities in the target language. They are presented with interpretive tasks, including reading various texts and listening prompts designed for native speakers. Creative writing skills are developed. Detailed cultural and historical units and current events provide a total stimulus for original projects and discussions in the target language. Topics supporting AP themes such as Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty, and Aesthetics are analyzed. Materials are varied, including textbooks, current authentic reading samples from magazines and newspapers, online resources, and French films. The course is conducted in the target language. Prerequisite: French III.

**4265C - AP French Language and Culture**

1 Credit

The AP French course provides intensive training in all communication areas. It focuses on the six cultural themes encountered on the AP Exam: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty, and Aesthetics. This course is conducted entirely in the target language. It encompasses studying current events and cultural topics through the eyes of various francophone

cultures worldwide. The course is designed to challenge and prepare each student for the AP Exam in addition to real-world application and university-level study. It also encourages students to review various linguistic concepts to refine language skills and achieve more sophisticated language constructions. AP students will take the AP Exam in May. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.

### **4316C - German I**

1 credit

German I is an introductory course that develops students' basic communication skills in the target language: reading, writing, listening, and speaking. There is an emphasis on elementary grammar constructions and vocabulary acquisition, providing the foundation for basic communication. Students begin to understand German, Austrian, and Swiss cultures in this course.

### **4326C - German II**

#### **4326SC - German II (1 semester)**

1 credit

German II is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is a continued emphasis on grammatical constructions, mainly the past tense and vocabulary acquisition. Students are equipped to successfully navigate a range of basic interpretive tasks and oral communicative tasks in straightforward social situations. The exploration of German, Austrian and Swiss cultures is continued through the core and supplemental resources, such as authentic and textbook resources, short reading samples from ads, magazines and newspapers, music, online help, and video clips. Prerequisite: German I.

### **4336C - German III**

#### **4336SC - German III (1 semester)**

1 credit

German III is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is an emphasis on complex grammatical constructions, including some specific to the target language. Students recombine previously learned material to express personal meaning through speaking and writing creatively. Interpretive skills are refined as students are exposed to authentic listening scenarios and texts that mimic real-world exposures. German culture, history, geography, notable people, and current products and practices are studied in greater detail. Much communication and discussion around related topics are conducted in the target language. Prerequisite: German II.

### **4116C - Latin I**

1 credit

This course introduces this classical language's basic vocabulary and grammar. Instructors provide comprehensible input, which promotes the acquisition of the language and the ability to comprehend meaning by listening to and reading various texts. Roman culture and mythology are included in reading selections. There is a strong emphasis on English derivatives from Latin vocabulary.

### **4126C - Latin II**

1 credit

In this course, more advanced grammar is introduced. Instructors provide comprehensible input, which promotes the acquisition of the language and the ability to comprehend meaning by listening to and reading various texts. Latin vocabulary, Roman culture, and mythology are included in reading selections from Latin literature. There is a continued emphasis on English derivatives from Latin. Prerequisite: Latin I.

**4416C - Spanish I****4416SC - Spanish I (1 semester)**

1 credit

Spanish I is an introductory course that develops students' basic skills in communication in the target language: reading, writing, listening, and speaking. There is an emphasis on elementary grammar constructions and vocabulary acquisition, providing the foundation for essential communication. In this course, students gain knowledge and understanding of Hispanic cultures.

**4426C - Spanish II****4426SC - Spanish II (1 semester)**

1 credit

Spanish II is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is a continued emphasis on grammatical constructions, mainly the past tense and vocabulary acquisition. Students are equipped to successfully navigate a range of basic interpretive tasks and oral communicative tasks in straightforward social situations. The exploration of Hispanic cultures is continued through the core and supplemental resources, such as authentic and textbook resources, short reading samples from ads, magazines and newspapers, music, online help, and video clips. Prerequisite: Spanish I.

**4436C - Spanish III****4436SC - Spanish III (1 semester)**

1 credit

Spanish III is a course designed to continue to develop students' skills in all areas of communication in the target language: reading, writing, listening, and speaking. There is an emphasis on complex grammatical constructions, including some specific to the target language. Students recombine previously learned material to express personal meaning through speaking and writing creatively. Interpretive skills are refined as students are exposed to authentic listening scenarios and texts that mimic real-world exposures. Hispanic culture, history, and music are studied in greater detail, with much communication and discussion around related topics in the target language. Prerequisite: Spanish II.

**4446C - Spanish IV**

1 credit

Spanish IV is an advanced course that utilizes skills that emphasize all communicative domains. Students develop their spontaneous interpersonal and presentational communication abilities in the target language. They are presented with interpretive tasks that include reading unedited advanced-level texts and listening prompts designed for native speakers and making students aware of regional dialects. Creative writing skills are developed. Detailed cultural units stimulate original projects and discussions in the target language. Topics supporting AP themes such as Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty, and Aesthetics are analyzed through Spanish and Latin American literature and art. Materials vary, including textbooks, authentic reading samples from magazines and newspapers, online resources, and Spanish films. The course is conducted in the target language. Prerequisite: Spanish III.

**4465C - AP Spanish Language**

1 credit

The AP Spanish course provides intensive training in all communication areas. It focuses on the six cultural themes encountered on the AP Exam: Global Challenges, Science and Technology, Contemporary Life, Personal and Public

Identities, Families and Communities, Beauty, and Aesthetics. This course is conducted entirely in the target language. It encompasses the study of current events and cultural topics through the eyes of various Hispanic cultures worldwide. The course is designed to challenge and prepare each student for the AP Exam in addition to real-world application and university-level study. It also encourages students to review various linguistic concepts to refine language skills and achieve more sophisticated language constructions. AP students will take the AP Exam in May. Summer work is a required component of this course. To receive AP weighted credit, the students must take the AP Exam in May.