



Fork Union Military Academy

English Course Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	English I – World Literature I	Honors English I – World Literature I
2	English II – World Literature II	Honors English II – World Literature II
3	English III – American Literature	Honors English III – American Literature
4	English III – African American Literature	PVCC English 111 – College Composition
5	English IV – British Literature	
6	Creative Writing	
7	English V [^]	
8	PG Writing [^]	

Social Studies Course Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	Western Civilization I	Honors Western Civilization I
2	Western Civilization II	Honors Western Civilization II
3	US History: Colonial & Rev. America	PVCC US History – US History I
4	US History: Antebellum-Reconstruction	AP US Government & Politics
5	US History: 20 th Century US	PVCC Political Science 135 – US Gov't
6	US History: US Military and War History	PVCC Political Science 136 – Local & State
7	US Government	

Math Course Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	Pre-Algebra	Honors Geometry
2	Algebra I	Honors Algebra II
3	Geometry	Honors Pre-Calc/Trig
4	Algebra II	AP Calculus AB
5	Advanced Algebra/Trig	AP Calculus BC*
6	Statistics	

Science Course Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	Earth Science	AP Environmental Science
2	Environmental Science	Honors Biology
3	Biology	Honors Chemistry
4	Chemistry	Honors Physics

World Language Course Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	Spanish I	Honors Spanish II
2	Spanish II	Honors Spanish III
3	Spanish III	Honors German II
4	German I	Honors German III
5	German II	
6	German III	

Elective Offerings		
#	On-Level Courses	Honors, AP, or Dual Enrollment
1	Economics	Leadership and Ethics
2	Personal Finance	AP Microeconomics
3	Public Speaking	Honors Computer Science
4	Sociology	PVCC Religion 216
5	Sport Psychology	
6	Virginia Interactive History	
7	Yearbook*	

Seminar Offerings	
#	On-Level Courses (All Seminars)
1	Art
2	Band
3	Choir
4	Health/PE ®
5	ESL
6	Leadership ®
7	Leadership + Lab
8	Resource
9	Senior Seminar ®
10	Theatre*

KEY	
#	On-Level Courses (All Seminars)
*	Course may not be offered every year
^	Course typically reserved for Post-Graduates
®	Required Seminar

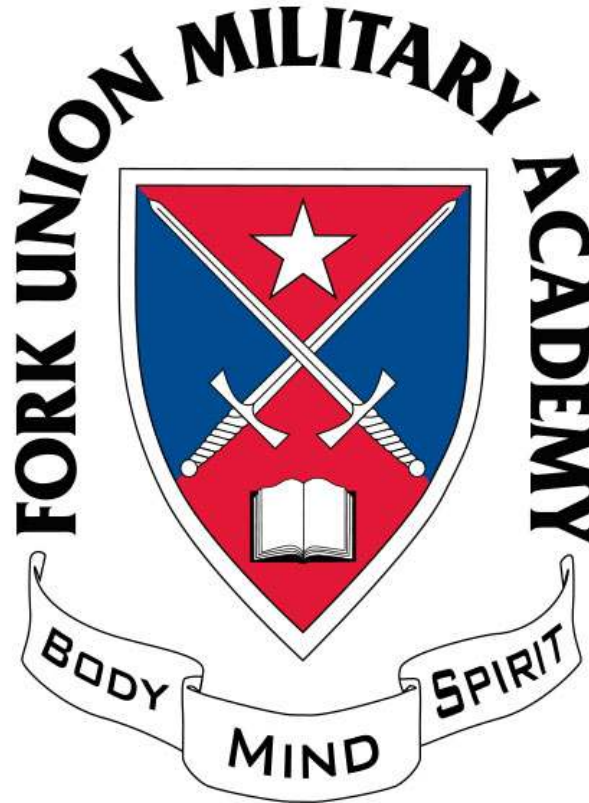


**Fork Union
Military Academy**



FUMA NCAA-Approved Core Courses	
English	Math
English I – World Literature I*	Algebra I*
English II – World Literature II*	Geometry*
English III – American Literature*	Algebra II*
English III – African American Literature	Advanced Algebra/Trig
English IV – British Literature	Statistics
Creative Writing*	Honors Pre-Calc/Trig
Public Speaking	AP Calculus AB
English V	AP Calculus BC^
PG Writing	Honors Computer Science
PVCC English 111 – College Composition	Science
Social Sciences	Earth Science
Western Civilization I*	Environmental Science
Western Civilization II *	Biology*
US History: Colonial & Rev. America	Chemistry*
US History: Antebellum-Reconstruction	AP Environmental Science
US History: 20 th Century US	Honors Physics
US History: US Military and War History	“Other” Core Courses
US Government	Spanish I
Economics	Spanish II*
Sociology	Spanish III*
AP Microeconomics	German I
AP Psychology^	German II*
PVCC US History 121 (to 1877)	German III*
AP US Government & Politics^	
PVCC Political Science 135 – US Gov’t	
PVCC Political Science 136 – Local & State	

Key	
*	Includes Honors
^	When Offered



Upper School Course
Descriptions

 = NCAA-Approved Core Course



English

English I – World Literature I ✓✓

English I is a general review of the standard rules of grammar and usage with emphasis on the parts of speech with their various forms and agreement within the sentence structure as well as punctuation, and other problem areas such as commonly misused and confused words, etc. All of these elements will be taught both in theory and within the context of writing. Short writing exercises will focus on the correct use of target vocabulary in addition to grammatical concept(s) currently being studied. Longer writing exercises will focus on expository writing with emphasis on the writing process, coherence, and style. The focus of daily reading will be to complement and provide examples of the writing strategies and styles being studied. Reading selections will provide practice and development in critical and evaluative reading and thinking skills.

Honors English I – World Literature I ✓✓

Honors English I is an intensive study of literature, grammar, and vocabulary. Through the use of literature—in various and multiple genre—the course is designed to give advanced students the necessary framework of knowledge and skills essential to enjoying and excelling at higher levels of English. Daily writing exercises (such as reports, critical reviews, and guided response) focus on development of critical thinking and analytical skills regarding the literature reading, while incorporating grammatical concepts and usage of target vocabulary. Longer writing assignments focus on expository writing with emphasis on the writing process, coherence, and style. The focus of daily reading complements and provides examples of the writing strategies and styles being studied in addition to provide practice in and development of critical reading and thinking skills.

English II – World Literature II ✓✓

English II is a course designed as a survey of authors who have contributed to their nations' literature and who are further recognized as having an impact upon literature as a whole. This survey is combined with instruction in the writing and research processes enabling students to plan, draft, edit, and revise various types of essays and to acquire skill in employing basic research strategies, including the use of the Internet, to locate information to support their thesis statements. The course also involves a review of basic grammar as it pertains to writing at the syntactic level.

Honors English II – World Literature II ✓✓

The emphasis for Honors English II is on reading, writing, and critical thinking with literary emphasis on world literature, universal themes, and cultural relevance. The course is intended for sophomores who have demonstrated ability and interest in English above the level of their fellow classmates. With the successful completion of the course, these students may continue in the honors program in preparation for Senior Advanced Placement or Dual-Enrollment/College-Level English. The opportunity to earn college credit for excellence in high school work is the ultimate goal of the Honors and Advanced Placement English courses.

English III – American Literature ✓

English III is a course for 11th grade students designed to provide an in-depth, historical survey of American literature coupled with a general review of the standards rules of grammar and usage. Course will emphasize the parts of speech with their various forms and agreement within the sentence structure. The class will also address punctuation, commonly misspelled and misused words, and other problems identified during the writing process. A combination of short and longer written exercises will incorporate proper use of vocabulary words, story analysis, and literary devices to better understand American literary works. The development of essay writing skills containing careful literary analysis, focusing on vocabulary and precise grammatical structure is emphasized. Daily reading assignments will complement and provide examples of the writing strategies and styles being studied. Reading selections will provide practice and development of critical, evaluative reading and thinking skills.

Honors English III – American Literature ✓

Honors English III is a course for advanced third year English students. Most students selected for this course will have completed Honors English II (or the equivalent), and all will have demonstrated the requisite abilities and background to perform at a high academic level. Normally these students will proceed to Advanced Placement English or college-level/dual-enrollment English the following year. All students entering this course should be committed to working at a high academic level. This would involve a large volume of interpretive reading and writing based on recognized classics of (principally) English and American literature. The course consists primarily of a chronological survey of English and American literature with an emphasis on poetry. Daily writing assignments and critical thinking activities on these works will be supplemented with lectures and cumulative tests/alternative assessments at designated points throughout the term. In addition, students will engage in a research project related to the universal themes and questions about life that have emerged throughout history. While the main emphasis of this course is literature, fundamental principles of grammar and composition will be interfaced as an integral part of all written assignments.

English IV – British Literature ✓

A minimum course requirement for all graduating seniors, English IV includes the fundamental components of all English courses at Fork Union: writing (through a recursive process approach), literature, research, and a review of basic grammar. More specifically, the course will consist of instruction in research methodology and writing, a chronological approach to selected works of British literature, and reviews of grammatical/mechanical functions as they apply to the writing process. The instructor will employ the electronic resources available in the English classrooms (the internet, digital projectors, etc.) and FUMA library resources as vehicles to expose students to research media.

Creative Writing ✓

The course description, scope and sequence, and literature selections for this course are currently being revised by our English Department

PVCC English 111 (ENG 111) – College Composition ✓

PVCC English 111 (ENG 111) introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics: develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay. English 111 is a dual enrollment offering through Piedmont Virginia Community College (PVCC) and serves as the “honors” English IV option. Upon successful completion of the course, students will earn three college credits through PVCC. More information about the course can be found by accessing the link below.

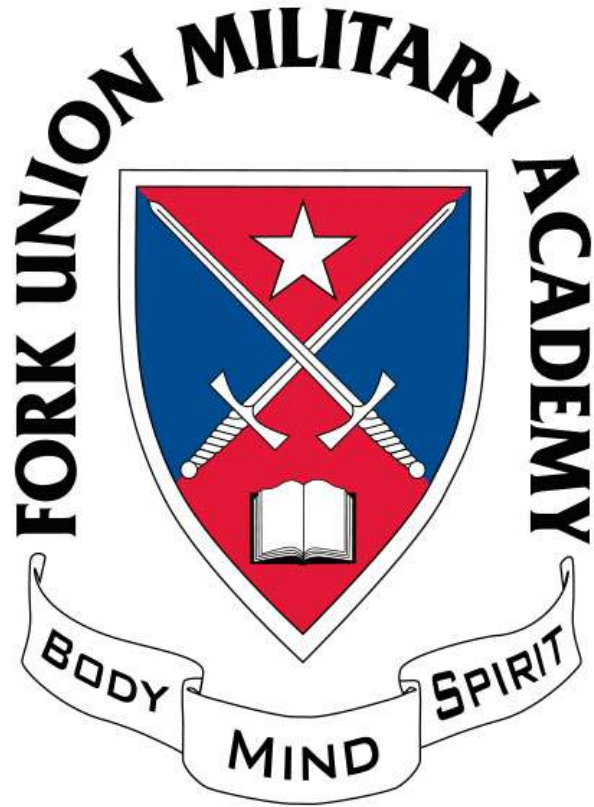
<https://courses.vccs.edu/colleges/pvcc/courses/ENG111-College%20Composition%20I>

English V ✓

Required of most postgraduates, English V focuses primarily on sharpening the student's general language skills in preparation for the verbal section of the College Board Exam (SAT), writing a research paper, and application of technology to the research/writing process. The student prepares for the College Boards in a variety of ways: (1) By practicing effective test-taking strategies; (2) By enhancing his working vocabulary using proven methods of vocabulary acquisition; (3) By practicing reading comprehension and sentence completion exercises similar to those found on the SAT; (4) By reading several books during the term to further enhance their reading skills for the critical reading section; (5) By using the computer resources available on software and the Internet.

PG Writing ✓

PG Writing course is designed for the college-bound, Post-Graduate student seeking to improve his reading and writing skills, with a strong emphasis on producing academic writing. This includes but is not limited to practicing each step of the writing process. The importance of planning and maintaining appropriate organization of research and proper citation in MLA format will be stressed in this course. In addition, a standardized test preparation component will be implemented to assist students with the reading and writing portions of standardized tests such as the SAT and ACT.



Social Studies

Western Civilization I ✓

History of Western Civilization I is a survey course in European history from the earliest Greek civilizations to High Middle Ages and may serve as a core or elective course offering. At appropriate moments, the course will also examine the interactions between the West and other parts of the world (e.g., the Persian Wars, Hellenistic Asia, the Crusades). This course serves as the entry level course for Social Studies Department in the Upper School. As such, it includes an introduction to the most basic historical thinking skills (especially chronological reasoning, comparison, contextualization, and synthesis).

Western Civilization II ✓

History of Western Civilization II is a survey course in European history from the High Middle Ages to the end of the Cold War and may serve as a core or elective course offering. At appropriate moments, the course will also examine the interactions between the West and other parts of the world (e.g., the Age of Exploration, European imperialism in Asia and Africa, the global nature of World War I). This course serves as the entry level course for Social Studies Department in the Upper School. As such, it includes an introduction to the most basic historical thinking skills (especially chronological reasoning, comparison, contextualization, and synthesis). This course may serve as an elective or core Social Studies course.

Honors Western Civilization I ✓

Honors History of Western Civilization I is a survey course in European history from the earliest Greek civilizations to High Middle Ages and may serve as a core or elective course offering. At appropriate moments, the course will also examine the interactions between the West and other parts of the world (e.g., the Persian Wars, Hellenistic Asia, the Crusades). This course serves as the entry level course for Social Studies Department in the Upper School. As such, it includes an introduction to the most basic historical thinking skills (especially chronological reasoning, comparison, contextualization, and synthesis). The Honors course is a more intensive version of the standard course and has elevated expectations for detail, writing, and research. Also, in the best Western tradition, the Honors course should regularly revisit the following questions:

- What is the West?
- What makes a civilization “Western?”
- Is “The West” still a useful category for analyzing the past or present?

Honors Western Civilization II ✓

History of Western Civilization II is a survey course in European history from the High Middle Ages to the end of the Cold War and may serve as a core or elective course offering. At appropriate moments, the course will also examine the interactions between the West and other parts of the world (e.g., the Age of Exploration, European imperialism in Asia and Africa, the global nature of World War I). This course serves as the entry level course for Social Studies Department in the Upper School. As such, it includes an introduction to the most basic historical thinking skills (especially chronological reasoning, comparison, contextualization, and synthesis). The Honors course is a more intensive version of the standard course and has elevated expectations for detail, writing, and research. Also, in the best Western tradition, the Honors course should regularly revisit the following questions:

- What is the West?
- What makes a civilization “Western?”
- Is “The West” still a useful category for analyzing the past or present?

US History: Colonial and Revolutionary America ✓

Colonial and Revolutionary America is a 7.5-week, intensive-style course that takes an in-depth look at all aspects of American history from the founding of the first American colonies in the early 1600s through the War of 1812. The purpose of the course is to give students a better understanding of the events that led different American colonies to unite as one to establish their collective independence from Great Britain, as well as the struggles faced by the new nation after gaining its independence. Pursuant to this, the course will be divided into three major sections:

1. A discussion of the various American colonies established along the eastern seaboard of Colonial America, as well as the establishment of indentured servitude and slavery in the colonies.
2. A discussion of the Revolutionary and Founding era, which will include discussions on the decade leading up to the Declaration of Independence and finish with the British surrender at Yorktown.
3. A discussion of the early American Republic, beginning with the establishment of the Articles of Confederation and ending with the War of 1812 and subsequent Era of Good Feelings.

US History: Antebellum – Reconstruction ✓

US History: Antebellum—Reconstruction is a 7.5-week, intensive-style course that takes an in-depth look at the events surrounding the American Civil War, including its causes, repercussions, and historical significance in American history. The first part of the course will begin with the Compromise of 1820 and continue through the rest of the Antebellum period. The second part of the course will begin with Southern secession and the election of 1860 and continue through the events and battles of the American Civil War. Finally, the third part of the course will examine the Reconstruction Era through the Election of 1876. As with any history course, facts, dates, and important individuals will be stressed. However, the foundation of this course is examining the historical significance of the events being discussed, which empowers students to connect the past to the present.

US History: Twentieth-Century US History ✓

Twentieth-Century US History is a 7.5-week, intensive-style course that takes an in-depth look at all aspects of American history in the 1900s. Using the Presidency as a gauge the course begins with Theodore Roosevelt and ends with George H.W. Bush. Throughout the course, students will focus on foreign and domestic events in the twentieth century that played an integral role in shaping the twenty-first century America in which we live today. Key events include but are not limited to the following: Imperialism, The Progressive Era, World War I, The Great Depression and New Deal, World War II, The Cold War, The Korean and Vietnam Wars, and the Civil Rights Era. As with any history course, facts, dates, and important individuals will be stressed. However, the foundation of this course is examining the historical significance of events, which empowers students to connect the past to the present.

US History: US Military and War History ✓

US Military and War History is a 7.5-week, intensive-style course that takes an in-depth look at the major wars that have shaped American history. Beginning with the Revolutionary War and ending with the Vietnam War, this course will examine major battles, significant characters, weaponry, and military strategy utilized in each war examined. Special attention will also be given to the historical significance of each war in both American and world history, specifically focusing on how each war has shaped the world in which we live today and thus empowering students to connect the past to the present. The course will be broken down into four major units, as outlined below. US Military and War History may be used as a core US History credit or elective credit.

1. Revolutionary America (American Revolution & War of 1812)
2. Antebellum & Civil War America (Mexican-American War & Civil War)
3. American Internationalism Part I (Spanish-American War & World War I)
4. American Internationalism Part II (World War II, Korean War, and Vietnam War)

PVCC US History 121 (HIS 121) – United States History I ✓

PVCC US History 121 (HIS 121) examines some of the central political, social, cultural, and economic developments of early American history from colonial times until the end of the Civil War, essentially serving as a survey of American History from the first colonial settlements through 1865. HIS 121 serves as the lone “honors” US History option. Upon successful completion of the course, students will earn three college credits through Piedmont Virginia Community College (PVCC). More information about the course can be found by accessing the link below.

<https://courses.vccs.edu/colleges/pvcc/courses/HIS121-United%20States%20History%20I?filter=ww-er>

US Government ✓

United States Government is a basic survey course of the American political system. It is designed to introduce the student to the study of our constitutional system and the effects of political behavior on the exercise of power and policy-making in a democracy. While the textbook provides the necessary information for studying the political process, The Constitution, Amendments, essential US Supreme Court cases, and parallel reading are also used for examining freedom, liberty, equality, and justice while understanding the relationship of self-interest to the general welfare.

AP US Government & Politics ✓

AP US Government & Politics serves as one of two “honors” US Government options. Please access the link below for more information about the course.

<https://apcentral.collegeboard.org/pdf/ap-united-states-government-and-politics-course-overview.pdf?course=ap-united-states-government-and-politics>

PVCC Political Science 135 – American Government & Politics ✓

PVCC Political Science 135 (PLS 135) teaches the political structure, processes, institutions, and policymaking of the US national government. Focuses on the three branches of government, their interrelationships, and how they shape policy. Addresses federalism; civil liberties and civil rights; political socialization and participation; public opinion, the media; interest groups; political parties; elections; and policymaking. The assignments in the course require college-level reading fluency and coherent communication through written reports. PLS 135 serves as one of two “honors” US Government options. Upon successful completion of the course, students will earn three college credits through Piedmont Virginia Community College (PVCC). More information about the course can be found by accessing the link below.

<https://courses.vccs.edu/colleges/pvcc/courses/PLS-PoliticalScience?filter=ww-er>

PVCC Political Science 136 – State and Local Government & Politics ✓

Teaches structure, powers, and functions of state and local government in the United States as related to federalism; constitutionalism; elections; powers of legislative, executive, and judicial powers of state and local government; state-local-federal relations; fiscal matters; metropolitan issues; and policy issues, like health, education, criminal justice and welfare. The assignments in the course require college-level reading fluency and coherent communication through written reports.

<https://courses.vccs.edu/colleges/pvcc/courses/PLS136-StateandLocalGovernmentandPolitics/detail?filter=ww-er>



Math

Pre-Algebra

Pre-Algebra is offered as a non-credit course in grade 7 and as an elective credit in grades 8-12. This course provides a transition from basic math to more complex mathematical concepts. This course aims to prepare the student for Algebra I and Geometry. The use of fractions, mixed numbers, and decimals in all operations is thoroughly practiced. The concepts of percent, ratio, and order of operations are introduced.

Algebra I ✓

Algebra I provides a foundation for the introduction of more advanced secondary math courses. Students begin with a unit on the use of variables and proceed through the basic operations as they relate to algebra. Linear sentences and slope-intercept equations are covered, as are exponents, powers, quadratic equations, and polynomials. Topics also include factoring, the use of functions, and basic concepts in geometry. Successful completion of Pre-Algebra is a pre-requisite for the course.

Geometry ✓

Geometry is designed to review, reinforce, and expand on the basic algebraic properties introduced in Algebra I. The concepts of proof are presented and applied in developing a course in the traditional Euclidean Geometry. Emphasis is placed on definitions, theorems, postulates, and applications of those topics in solving problems. All facets of lines, angles, triangles, and circles are explored. Additional work on polygons, polyhedral, and the Cartesian plane are explored as time permits. Successful completion of Algebra I is a prerequisite for the course.

Honors Geometry ✓

The Honors Geometry course is designed to offer a more challenging approach to the material presented in a traditional Euclidean Geometry class. Basic Algebra I properties are reinforced and expanded as the students use concepts covered in Algebra I to master the new concepts introduced in Geometry. Logical reasoning, both inductive and deductive, is encouraged with the development of proofs and in the application of geometry in solving real-life application problems. Completion of Algebra I with a grade of A or B+ is a prerequisite for the course.

Algebra II ✓

Algebra II is both a review of the essential content of first-year algebra and also an introduction to new concepts in the development of each core unit. A primary goal is the use of these mathematical ideas in application and to solve word problems. Appropriate summary, review, homework, classwork, and testing procedures will follow each unit with enrichment added when possible. Successful completion of Algebra I is a pre-requisite for the course.

Honors Algebra II ✓

Honors Algebra II course is designed for ambitious students who demonstrate proficiency in mathematics. This course covers the concept of function in detail by investigating linear, quadratic, exponential, logarithmic, rational, and radical functions. Homework questions emphasize both skills in complex algebraic manipulations and applications of functions in real-world word problems. Completion of Algebra I with a grade of A or B+ is a prerequisite for the course.

Advanced Algebra/Trig ✓

The Advanced Algebra and Trigonometry course is designed to prepare students for their first course in Calculus. A successful experience in Geometry and Algebra II are prerequisites for taking Advanced Algebra and Trigonometry. The Advanced Algebra portion consolidates previously learned concepts of Algebra II with the introduction of new techniques and ideas. The Trigonometry portion introduces the Unit Circle, the Reference Chart, and various identities along with real-world modeling problem applications. Students seeking an Advanced Studies diploma must successfully complete Advanced Algebra/Trig.

Statistics ✓

Statistics is the science of conducting studies to collect, organize, summarize, analyze, and draw conclusions from data. This is a beginning statistics course for students whose mathematical background is limited to basic algebra. This course uses a non-theoretical approach in which concepts are explained intuitively and supported by numerous examples. There are no formal proofs in the course. The course emphasizes use of the TI -84 series calculator. Successful completion of Algebra II is a prerequisite for the course.

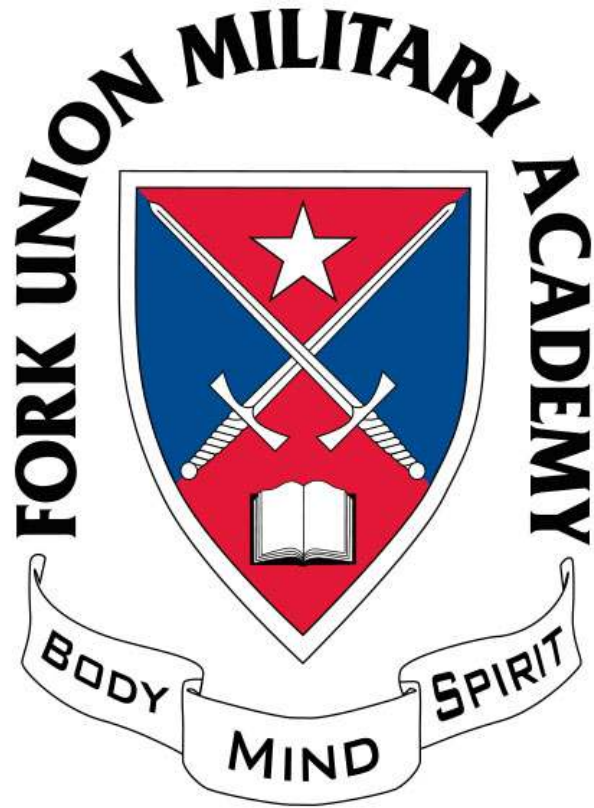
Honors Pre-Calc/Trig ✓

Honors Pre-Calculus/Trig is modeled after the 5-credit course (MTH 167) from Piedmont Virginia Community College (PVCC). The course covers college algebra and trigonometry, as well as supplemental topics. Topics covered include equations, inequalities, functions, polynomials, graphing techniques, exponential and logarithmic functions, systems of equations, trigonometric functions, analytic geometry, and sequences and series. At FUMA, the course is designed to discuss those topics in algebra and trigonometry necessary for the student to successfully engage AP Calculus. While much of the course reviews concepts from previous classes, the level of rigor and detail of the problems aims to prepare the student for Calculus. Completion of Advanced Algebra/Trig with an A or B+ is a prerequisite for the course. Students do not receive college credits through PVCC for successful completion of the course but will receive a full high school credit.

AP Calculus AB & BC ✓

Access the link below for more information.

<https://apcentral.collegeboard.org/pdf/ap-calculus-ab-bc-course-and-exam-description-0.pdf?course=ap-calculus-ab>



Science

Earth Science ✓✓

Earth Science is designed for students in grades 8-12 and provides instruction in scientific principles and analysis and includes a laboratory component. Earth Science is an interdisciplinary study in science that provides students with the scientific principles, concepts, and methodologies required to understand the geology, meteorology, hydrology, and astronomy of planet Earth. Earth Science will offer a wide array of instruction involving these four disciplines of study involved in the creation and continuation of the planet. The course's unifying theme is an understanding of the natural world, its ancient and present processes, and our humanitarian role involved in taking care of the Earth.

Environmental Science ✓✓

This course is designed for students in grades 8 & 9 and provides instruction in scientific principles and analysis and includes a laboratory component. Environmental Science is an interdisciplinary study in science that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the created world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

AP Environmental Science ✓✓

Completion of Algebra I with a B+ or better is a prerequisite for the course and students must be in grades 10-12 or a Post-Graduate. Students in grade 9 may take the course with permission from the Academic Dean and/or their scheduling advisor.

Please access the link below for more information on the course.

<https://apcentral.collegeboard.org/pdf/ap-environmental-science-course-overview.pdf?course=ap-environmental-science>

Biology ✓✓

Biology is devoted to the study of living things and their processes. Throughout the year this course provides an opportunity for students to develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, the theory of evolution, diversity of living organisms and their ecological roles, and an introduction to human anatomy and physiology.

Honors Biology ✓

Honors Biology investigates the study of life, and its processes and inter-relationships. Throughout the year, this course provides an opportunity for students to develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, photosynthesis and cellular respiration, human anatomy, genetics and heredity, the theory of evolution, and the diversity of living organisms and their ecological roles. Honors Biology is a fast-paced, rigorous course that will require of the student a high degree of intrinsic motivation.

Chemistry ✓

This course is designed for students who are ready to compare, contrast, and synthesize how matter, chemical reactions, and energy are calculated and the resulting changes that result throughout the chemical process. This course will also provide an introduction to lab techniques safety via hands-on use of laboratory equipment and chemicals. Students will also investigate the atomic structure, mathematical rules related to the following: scientific notation, rounding, dimensional analysis, significant figures, as well as electron configurations, density, periodic table history and trends, chemical bonding, states of matter, phase diagrams, acids and bases, chemical equilibrium, the structure of the atom, quantum theory/mechanics, mole and mass relationships (stoichiometry), percent yield/composition, percent error, partial pressures, rates of reactions and concentrations, gas laws, and the 1st and 2nd Laws of Thermodynamics. Successful completion of Algebra II is a prerequisite for the course.

Honors Chemistry ✓

This course is designed for juniors, seniors, and select sophomores, as well as post-graduates who are ready to compare, contrast, and synthesize how matter, chemical reactions, and energy are calculated and the resulting changes that result throughout the chemical process. The course will also provide multiple hands-on lab exercises. Successful lab completion will consist of each student maintaining a properly formatted lab notebook, which will include the write-up of every experiment and exercise completed within the course. The labs and lab notebook will consist of over 30 experiments. Students will also investigate the atomic structure and mathematical rules related to the following: scientific notation, rounding, dimensional analysis, significant figures, as well as electron configurations, density, periodic table history and trends, chemical bonding, states of matter, phase diagrams, chemical equilibrium, free energy, the structure of the atom, quantum theory/mechanics, mole and mass relationships (stoichiometry), percent yield/composition, percent error, partial pressures, pH and pOH, Acid/Base calculations, Mixing Acids and Bases, rates of reactions and concentrations, gas laws, and the 1st and 2nd Laws of Thermodynamics. All students will perform an elemental research project. Successful completion of Algebra II with a B+ or better is a prerequisite for the course.

Honors Physics ✓

Honors Physics allows students to gain an understanding of fundamental physical principles in Newtonian mechanics and thermodynamics, use these principles to describe the world around us, and develop problem-solving and mathematical skills. This course includes interactions of matter and energy, velocity, accelerations, force, energy, momentum, and charge. Students will be challenged to apply their knowledge to solve physics-related critical thinking problems. A B+ or better in Advanced Algebra/Trig is a prerequisite for the course. Currently, Physics is only offered as an honors-level course at the Academy and is typically offered only during Term 1 each year.



World Languages

Spanish I ✓

Spanish I is the first level of the Spanish language program and endeavors to provide students with vocabulary and cultural background, as well as a basic understanding of grammatical concepts useful for communicating in the Spanish language in practical, everyday situations. The text employs a natural presentation in the form of a dialog, narrative, or other expository material emphasizing the activities of young people in order to enable students to act and react with an acceptable degree of proficiency in the skills of listening, speaking, reading, and writing. Vocabulary and grammar are presented in conjunction with culture to heighten the student's appreciation of the foreign culture and to provide insight into the daily aspects of and historical importance of Hispanic/Spanish life and society.

Spanish II ✓

Spanish II is a second-level course offered to cadets who have satisfactorily completed a Spanish I course. This course consists of a general review of Spanish I with an emphasis on correct conjugation of verbs in different tenses, complex sentence construction, vocabulary building, translation, correct pronunciation, and reading comprehension. Readings and exercises are designed to promote the simultaneous development of the four language skills: reading, writing, listening, and speaking. Vocabulary and grammar are presented in a cultural context to heighten students' appreciation of foreign language and culture and to provide insight into the daily aspects of life in certain Spanish-speaking countries.

Honors Spanish II ✓

Honors Spanish II is a second-level course offered to cadets who not only have satisfactorily completed the Spanish I course with at least a B average but who have also been recommended for the Spanish Honors program by their Spanish I teachers. This is a rigorous course that begins with a sweeping review of Spanish I, emphasizing correct conjugation of verbs in different tenses, complex sentence construction, vocabulary building, translation, correct pronunciation, syntax, and reading comprehensions. After Spanish I concepts have been reviewed the class explores new tenses, grammatical structures, vocabulary, and relevant cultural information that aid students in developing a more thorough understanding of the Spanish language. Readings, daily exercises, and homework are designed to promote the simultaneous development of the four language skills: reading, writing, listening, and speaking. Honors Spanish II is a more rigorous course than the standard Spanish II class with higher expectations and an expected standard of performance. Additionally, nightly homework assignments are more complex and lengthier, while the requirements for presentation projects and writing assignments are significantly more challenging than those for the standard Spanish II course. At FUMA, the Honors Spanish II course is designed to prepare students for the PVCC Spanish 101 course.

Honors Spanish III ✓

Honors Spanish III is offered to cadets who have completed Spanish II with a B or better and have been recommended by their Spanish II teacher for Honors Spanish III. Honors Spanish III endeavors to provide the student with a comprehensive review of vocabulary and grammatical concepts. Students enrolled in the course will continue to develop reading, speaking, writing, and listening skills in the target language. The breadth and depth of study in this course will be greater than that in a more traditional Spanish III course. The incorporation of special projects and literature selections will also be unique components of the Honors course. Students will continue to develop sensitivity to the cultural and linguistic heritage of all groups associated with the Spanish language, understand their influence on American culture, and become prepared to participate in a society characterized by linguistic and cultural diversity.

German I ✓

German I offered to all students grades 8-12. The course is the first step in a sequential offering of German at the Academy. Cadets will establish a foundation in German that will enable them to continue their study of the language if they so choose. The course introduces the student to the rudiments of the German language. Various communicative functions such as talking about oneself, telling time, asking names and ages, and conducting basic conversations are emphasized. The student will also concentrate on basic grammar structures and usage (i.e. basic sentence and question structure). Reading comprehension is mastered via short reading selections and dialogs in German. Video segments that reinforce vocabulary and grammatical structures for each chapter are integral parts of the instructional plan. They are used to promote conversation in German. Students learn the major German cities, as well as the European countries and their capitals. Students learn many cultural aspects of the German-speaking nations through several cultural notes in the textbook in addition to various internet projects and assignments.

German II ✓

German II is an elective course offered to students who have successfully completed German I. The course is a sequential progression of German I, while preparing the student to continue into advanced levels of the language at the academy. The course expands on the basic grammar, reading, and conversational skills presented in German I. The student will vastly expand his ability to write, read, and speak the language by mastering the material offered in this course. As in German I, video segments and computer programs are used to expand and reinforce the material presented in the textbook and the classroom setting. Writing is emphasized via various composition topics, and translation is practiced by translating stories and dialogs from the textbook, as well as additional material from various German books. Students identify and complete a research project on the 16 German states, and European geography is reviewed.

Honors German II ✓

German II is offered to those cadets who have successfully completed German I with a C or better. The course is a sequential progression of German I, while preparing the student to continue into advanced levels of the language at the academy. The course expands on the basic grammar, reading, and conversational skills presented in German I. The student will vastly expand his ability to write, read, and speak the language by mastering the material offered in this course. As in German I, video segments and computer programs are used to expand and reinforce the material presented in the textbook and the classroom setting. Writing is emphasized via various composition topics, and translation is practiced by translating stories and dialogs from the textbook, as well as additional material from various German books. Students identify and complete a research project on the 16 German states, and European geography is reviewed.

German III ✓

German III is offered to students who have successfully completed German II. This is an advanced-level course that will refine the grammar, writing, reading, and speaking skills that the student has already mastered. The emphasis at this level is on advanced grammar topics, reading short stories, reading short literary passages, and expanding speaking and comprehension abilities. Contemporary writings and materials from Germany are also used. Conversational skills are emphasized at this level via German films and several German short stories. German culture is emphasized by internet assignments.

Honors German III ✓

German III is offered to students who have successfully completed German II or Honors German II with a C or better. This is an advanced-level course that will refine the grammar, writing, reading, and speaking skills that the student has already mastered. The emphasis at this level is on advanced grammar topics, reading short stories, reading short literary passages, and expanding speaking and comprehension abilities. Contemporary writings and materials from Germany are also used. Conversational skills are emphasized at this level via German films and several German short stories. German culture is emphasized by internet assignments.



Electives

Economics ✓

Economics is an elective course that aids students in achieving college preparatory training. Students are to apply information that they learn from the textbook and lectures to current events in our economy while becoming proficient in critical thinking skills. This will allow them to answer many of today's problems that economists face. Economics will achieve this by examining factual and theoretical tools obtained in a structured classroom that sets focus on developing critical thinking, communication, creativity, collaboration, and cultural competency skills through academic excellence.

AP Microeconomics ✓

Please access the link below for more information on this course offering.

<https://apcentral.collegeboard.org/pdf/ap-microeconomics-course-overview.pdf?course=ap-microeconomics>

Leadership and Ethics

The pertinent question of this course is “What is right, and how do you decide?” During the initial portions of the course, the student is exposed to a number of moral reasoning theories. Students will read from renowned authors such as Aristotle, Cicero, John S. Stuart, Immanuel Kant and Vice Admiral James Stockdale. In the latter portion of the course, the student is instructed on how these moral theories are used to compose more holistic moral reasoning and how to properly apply them in everyday life. The ultimate goal of the course is to provide each student with a repertoire of moral reasoning principles which allow them to answer the pertinent question and properly make moral and ethical decisions. Further, an additional goal is to instruct the student in how to implement these lessons in the exercise of their leadership both at Fork Union and in their future professional lives.

Personal Finance

Please access the link below for more information on this course offering.

<https://www.daveramsey.com/school/homeschool/highschool>

Public Speaking ✓

The course description, scope and sequence, and reading selections for this course are currently being developed by our Academic Department

Sociology ✓

Traditionally, this course has served grades 9-12 as an elective. Sociology introduces the student to the concepts of culture and society's role in culture. Our own culture is first examined, and then different cultures are compared and contrasted to ours. It is emphasized that, regardless of the society, culture is the overriding factor in human development and affects every aspect of our lives. The class does involve some note-taking and lecture, but an attempt is made to keep it at a minimum, while class discussion and participation are encouraged. Most lectures actually evolve from reviewing the material in the textbook and answering questions from homework assignments, which usually come from the text. Testing of material covered in the text and in class is analytical and essay-based.

Sports Psychology

Sport and Exercise Behavior is an overview of basic concepts and principles essential to understanding the psychological, and behavioral aspects of sport and exercise. Emphasis in this course is given to the conceptual frameworks, and the applied aspects of sport performance enhancement and mental skills, exercise behavior and motivation, sociological factors, and health and well-being. Introduction to Sports Psychology is designed to provide future practitioners of coaching, teaching, sports medicine, counseling, sport management, and fitness instruction the goal of a general understanding of the aspects of psychology in sports, and the human developments within them.

Virginia Interactive History

This fun and informative elective course for the student who has already completed his required social sciences courses. This course covers VA and US History chronologically from pre-Jamestown settlement through the Cold War through a combination of readings, film, and interactive, and hands-on field trips to sites important to Virginia and the United States as a whole. Students get to learn from on-location docents who are well versed in the history of the historic sites.

Honors Computer Science ✓

Honors Computer Science is a course designed to introduce fundamental coding skills and Computer Science concepts to students. The class primarily focuses on developing coding skills through writing programs using the Java programming language. In addition, students will explore some of the social impacts that the development of Computer Systems has. Since a strong foundation in Mathematical reasoning is necessary for the development of coding skills, completion of Advanced Algebra & Trigonometry is a pre-requisite for the course but may be waived at the discretion of the instructor.

PVCC Religion 216 (REL 216) – Life and Teachings of Jesus

PVCC Religion 216 (REL 216) is a dual enrollment elective offering worth up to 3 college credits upon successful completion of the course. This course studies the major themes in the teachings of Jesus of Nazareth as recorded in the Gospels and examines the events of his life in the light of modern biblical and historical scholarship. More information regarding REL 216 can be found by accessing the link below.

<https://courses.vccs.edu/colleges/pvcc/courses/REL216-Life%20and%20Teachings%20of%20Jesus?filter=HY-CV-IS-VT-PB-TV-WW-ER&term=Fall+2017>



Seminars

Art – Studio Art I and II

The Studio Art I curriculum will build on student's studio experiences, art history and cultural connections, art vocabulary, aesthetics, and the process of art criticism. It is an expansion of basic art foundations. Studio Art II is an expansion of Studio Art I, for which the latter is a prerequisite. Students taking Art report to class each day during their teacher's planning period for Art class.

Band

The Fork Union Military Academy Band serves as a musical ambassador to the Academy. Performing over 15 times each year at campus and community events makes this musical ensemble a vital part of the Academy's admissions and development departments. Students will be asked to play music that is appropriate for the FUMA ceremonial parades, off-campus parades, and pep band events. The goal of the FUMA band program is for cadet participants to become proficient performing musicians while working and thinking as a team. Evidence of student proficiency will be displayed in public performances on and off campus. For more information about our Band program, please reach out to John Warren via email at WarrenJ@fuma.org.

Choir

The Fork Union Military Academy Choir serves as a musical ambassador to the Academy. Performing over 20 times each year at church services and community events makes this musical ensemble a vital part of the academy's Admissions and Development departments. Students will be asked to sing contemporary praise and worship music as well as contemporary musical compositions with the intent of ministering and entertaining during choir performances. The goal of the FUMA choir program is for cadet participants to become proficient performing musicians while working and thinking as a team. Evidence of student proficiency will be displayed in public performances on and off campus.

Health/PE

Health Education presents updated materials, information, and data to the ninth-grade student to make him better informed about general and specific health topics and current health issues. He is encouraged to become more aware of his environment, to explore and improve his health habits, to become a questioning consumer, to evaluate any information from any source purported to affect his wellness, and to be more safety-conscious in his hazardous environment. Students should increase their awareness of their wellness and the roles of physical activity, nutrition, exercise, recreation, drug use, and sexual behavioral attitudes for sound health. With this information, each student should be able to make wise choices and valid decisions based on healthy attitudes and moral principles. Health/PE is a required course for all students in grade 9 at the Academy. Successful completion of Health/PE is required for graduation.

ESL

The ESL Fundamentals class is a stand-alone full-term course designed for beginning level high school students who are not yet prepared for the rigors of using English in an academic course. Upon successful completion of this class, students advance to ESL Resource, taken in conjunction with their primary academic class at the Academy. ESL is typically offered during Term 1 only.

Leadership

The intermediate course we instruct is the leadership seminar. This course is a graduation requirement for all students. We conduct the leadership seminar on Tuesdays & Thursdays for terms 2-4, during the Cadets planning periods. This seminar is a series of 40 in-person classes on how to be an effective leader. This course uses some topics from high school ROTC-type classes. Students receive grades in the following areas: participation points, (2) group presentations, (2) written assignments, and (2) pop-quizzes. This course is currently for all juniors; the goal is to make this a requirement for sophomores, where it will also become a prerequisite to attend the leadership lab course.

Leadership + Lab

The advanced course we instruct is the Leadership Lab. This course goes through all 5-terms and has no set time/dates for in-person classroom instruction. This class is more of an internship and evaluation (or practical application) that applies everything the Cadets have learned thus far. Assignments are graded each term and include self-evaluations, performance evaluations, and conduct evaluations (assessments are completed at the end of each term). This class further develops and refines Cadets who are assigned to senior-level positions (Second Lieutenant's & First Sergeant's and above). Cadets who are in these positions are required to take this course.

Resource

Please access the link below for more information regarding our Resource program.

<https://www.forkunion.com/academics/academic-services/resource-and-learning-skills-program#gref>

Senior Seminar/Military Science

Introduction to the issues and competencies that are integral to success in a military-style setting. The course introduces students to the rudiments of a military-style environment, such as leadership, rank structure, life skills, fitness, time management, uniform dress, and drill. Students acquire an understanding of the course's content by engaging in the military-style structure of Fork Union Military Academy's approach to education, leadership, and character development. In the senior year, cadets will take the senior seminar portion of the course which focuses on test prep, college application prep, and college essay prep. More information about the Senior Seminar portion of the course can be found by accessing the link below. Senior Seminar is a compulsory seminar for all members of the Senior class during Terms 1 and 2 of their Senior year. The course is graded pass/fail. Upon successful completion of the course, students will receive a half credit. Students do not need to pass this seminar course in order to graduate.

<https://www.forkunion.com/academics/college-counseling-scheduling#gref>

Theatre

The Theatre curriculum is currently being revised and reevaluated by our Fine Arts Department