



**IVY CLASSICAL
ACADEMY**

FRESHMAN YEAR CURRICULUM

IN FRESHMAN YEAR FORMAL LOGIC (SEMESTER 1) our students will:

- learn the definition and application of simple apprehension, proposition, and syllogism
- make deductive inferences using the rules for categorical syllogisms
- translate ordinary sentences into logical statements
- understand conditional, disjunctive, and conjunctive syllogisms

IN FRESHMAN YEAR RHETORIC (SEMESTER 2) our students will:

- use the three modes of persuasion: ethos, pathos, and logos
- apply the five canons of rhetoric: invention, organization, style, memory, and delivery
- learn how to identify formal and informal fallacies of logic
- study and recite speeches, both historical as well as original student compositions

IN FRESHMAN YEAR ANCIENT LITERATURE our students will read and discuss:

- the Greek epics of Homer: The Iliad and The Odyssey
- the plays of Sophocles: "Oedipus Rex" and "Antigone"
- the greatest Roman epic tragedy: The Aeneid by Virgil
- Julius Caesar by William Shakespeare

IN FRESHMAN YEAR ANCIENT HISTORY our students will:

- discuss the effects of the principles of Greece and Rome on the American political process
- explain how the Roman Republic built upon Greek ideals — and what those Greek ideals are
- identify how the Roman Republic contributed to the development of democratic principles
- study the major events of the ancient world to A.D. 500

IN FRESHMAN YEAR LATIN III our students will:

- translate Latin texts from Catullus, Quintilian, Pliny the Elder, and Lucretia
- study subjunctive mood, indirect questions, cum clauses, conditions, and gerunds
- complete Wheelock's Latin chapters 28-39

IN FRESHMAN YEAR GEOMETRY our students will:

- understand and use the structure of multiple-step geometric proofs
- determine the length of line segments, the measure of angles, and the area of polygons
- know the value and use of pi when determining measurements of a circle

IN FRESHMAN YEAR BIOLOGY our students will:

- use the steps of the scientific method throughout the course
- study cell structure, function, growth, division, and reproduction
- study Mendelian genetics, DNA, RNA, and protein synthesis
- explore the subjects of microorganisms, fungi, plants, animals, and the human body

AS FRESHMEN, STUDENTS MAY ALSO TAKE SEMESTER ELECTIVES IN ART & MUSIC

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IN FRESHMAN YEAR
our students read:

The Iliad and the Odyssey
"Oedipus Rex"
"Antigone"
The Aeneid
Julius Caesar
The Epic of Gilgamesh
Augustine's Confessions,
Caesar's Gallic Wars
"The Apology" by Plato

IN FRESHMAN YEAR

students will write about & discuss:

Virtue
Leadership
Democracy
Citizenship
Love
Law and Justice
Friendship
Peace and War
Beauty
Change and Continuity