

# **Fairmont Heights High School**



**(Home of the Hornets)**

## **Educational Requirements & Options**

### **The 4-year Student Program Planner Fall 2015**

**Principal, Mrs. Torrie Walker**

#### **Administrative Team**

**Mrs. Diedra Smalls-Screws - Assistant Principal**

**Mrs. Erica McDade - Assistant Principal**

**Mr. Calvin Thompson - Assistant Principal**

#### **Professional School Counselors**

**Mr. O'Neil Marshall**

**Mr. Maurizio Machi**

**Ms. Lisa Sancho**

#### **Master Scheduler**

**Mr. Charles Covington**

#### **Three Academies**

**Hornets' Academy**

**Academy of Information Technology**

**Academy of Environmental Studies**

# Hornets' Academy



## General Program of Study

### OVERVIEW

The Hornets' Academy embraces an interdisciplinary approach for general studies at Fairmont Heights High School. This program reflects a broad view of the educational needs of the State and is supplemented by the local system and the individual school levels. This assures the best possible education for all youth based on secondary school's requirements and options for course offerings and programs.

Fairmont Heights High School – Hornets' Academy

Professional School Counselors – Program Coordinators

General Studies

Students who do not select an Academy

Class Cap Size: 30 - 35 students Maximum

General Program at FHHS



Recommended 4-YEAR STUDENT PROGRAM PLANNER

9 <sup>th</sup> Grade Year	10 <sup>th</sup> Grade Year	11 <sup>th</sup> Grade Year	12 <sup>th</sup> Grade Year
English 9 or English 9 Honors*	English 10 or English 10 Honors*	English 11 or AP Language 11*	English 12 or AP Lit. 12*
Algebra 1 or above*	Geometry and/or Algebra 2* or above	Algebra 2 or above*	Non - Trivial Algebra level Mathematics* (Elective)
US History or AP US History*	LSN Govt. or AP Govt. & Politics*	World History or AP World History*	Social Studies or another <b>Elective</b>
Biology or Honors Biology*	Chemistry or Honors Chemistry*	Physics or Honors Physics or an Advanced Science Course	Science Elective or another <b>Elective</b>
World Languages 1 or above French or Spanish or an <b>Elective</b>	World Languages 2 or above French or Spanish or an <b>Elective</b>	World Language or an <b>Elective (if completed world language requ.)</b>	World Language or an <b>Elective (if completed world language requ.)</b>
Personal Fitness - ½ cr. Health Issues - ½ cr.	Foundations of Technology	<b>Elective</b>	<b>Elective</b>
1 Fine Arts – Drama 1, Inter. Chorus, Basic Band, Art 1, Begin/Inter. Piano, Music Survey & Principles of Recording	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>
<b>Elective</b>	<b>Elective</b>	<b>Elective</b>	<b>Elective</b>

----- Areas shaded in orange are High School Graduation Requirements for this Program – Minimum of 21 credits required for graduation

\*Courses require teacher approval

# Academy of Information Technology

## IT Essentials • IT Software Programming • IT Systems Engineering

### Overview

The Academy of Information Technology prepares students to meet the demands of the 21<sup>st</sup> century with a rigorous academic curriculum while exposing them to the varied career paths and opportunities available in the information technology industry. Students are provided concentrated coursework in networking, computer science, database, geo-spatial technology, and interactive media production in preparation for post secondary training and/or a career path in the information technology field.

Fairmont Heights High School - Academy of Information Technology

Ms. Quiana Bannerman & Professional School Counselors – Program Coordinators

Two Pathways: IT Software Programming & IT Systems Engineering

50 students/ 2 Cohorts – Software Programming

50 students/ 2 Cohorts – Systems Engineering

Class Cap Size: 25 students Maximum

## IT Software Programming at FHHS

### Elective Program of Study

#### Recommended 4-YEAR STUDENT PROGRAM PLANNER

9 <sup>th</sup> Grade Year	10 <sup>th</sup> Grade Year	11 <sup>th</sup> Grade Year	12 <sup>th</sup> Grade Year
English 9 or English 9 Honors*	English 10 or English 10 Honors*	English 11 or AP Language 11*	English 12 or AP Lit. 12*
Algebra 1 or above*	Geometry and/or Algebra 2* or above	Algebra 2 or above*	Non - Trivial Algebra level Mathematics* (Elective)
US History or AP US History*	LSN Govt. or AP Govt. & Politics*	World History or AP World History*	Social Studies or another <b>Elective</b>
Biology or Honors Biology*	Chemistry or Honors Chemistry*	Physics or Honors Physics or an Advanced Science Course	Science Elective or another <b>Elective</b>
World Languages 1 or above French or Spanish or an <b>Elective</b>	World Languages 2 or above French or Spanish or an <b>Elective</b>	World Language or an <b>Elective (if completed world language requ.)</b>	World Language or an <b>Elective (if completed world language requ.)</b>
Personal Fitness - ½ cr. Health Issues - ½ cr.	Foundations of Technology	<b>Elective</b>	<b>Elective</b>
1 Fine Arts – Drama 1, Inter. Chorus, Basic Band, Art 1, Begin/Inter. Piano, Music Survey & Principles of Recording	<b>Elective</b>	<b>Elective</b>	<b>Internship** May be Required</b>
<b>PC Hardware and Software**</b>	<b>Web Development &amp; Web Project**</b>	<b>AP Computer Science**</b>	<b>Android Apps Development &amp; Apps Project**</b>

----- Areas shaded in orange are High School Graduation Requirements for this Academy – minimum of 21 Credits required for graduation

\*Courses require teacher approval

\*\*Courses are MSDE Completer Requirements for this Academy

## IT Systems Engineering at FHHS

### Elective Program of Study

#### Recommended 4-YEAR STUDENT PROGRAM PLANNER

9 <sup>th</sup> Grade Year	10 <sup>th</sup> Grade Year	11 <sup>th</sup> Grade Year	12 <sup>th</sup> Grade Year
English 9 or English 9 Honors*	English 10 or English 10 Honors*	English 11 or AP Language 11*	English 12 or AP Lit. 12*
Algebra 1 or above*	Geometry and/or Algebra 2* or above	Algebra 2 or above*	Non - Trivial Algebra level Mathematics* <b>(Elective)</b>
US History or AP US History*	LSN Govt. or AP Govt. & Politics*	World History or AP World History*	Social Studies or another <b>Elective</b>
Biology or Honors Biology*	Chemistry or Honors Chemistry*	Physics or Honors Physics or an Advanced Science Course	Science Elective or another <b>Elective</b>
World Language 1 or above French or Spanish or an <b>Elective</b>	World Language 2 or above French or Spanish or an <b>Elective</b>	World Language or an <b>Elective (if completed world language requ.)</b>	World Language or an <b>Elective (if completed world language requ.)</b>
Personal Fitness - ½ cr. Health Issues - ½ cr.	Foundations of Technology	<b>Elective</b>	<b>Elective</b>
1 Fine Arts – Drama 1, Inter. Chorus, Basic Band, Art 1, Begin/Inter. Piano, Music Survey & Principles of Recording	<b>Elective</b>	<b>Elective</b>	<b>Internship** May be Required</b>
<b>PC Hardware and Software**</b>	<b>Systems Engineering 1**</b>	<b>CCNA Exploration 1**</b>	<b>CCNA Exploration 2 **</b>

----- Areas shaded in orange are High School Graduation Requirements for this Academy – Minimum of 21 credits required for graduation

\*Courses require teacher approval

\*\*Courses are MSDE Completer Requirements for this Academy

# Academy of Environmental Studies

Environmental Science Pioneers • Environmental, Agricultural, and Natural Resources

## OVERVIEW

The Academy of Environmental Studies embraces an interdisciplinary approach to the study of earth systems and the human impact on the environment. Fundamental science principles are used to analyze and formulate solutions to environmental problems. Students successfully completing the program are equipped to pursue areas of study in college and the expanding career fields related to environmental science.

Fairmont Heights High School - Academy of Environmental Studies

Ms. Ruth Gold & Professional School Counselors – Program Coordinator

One Pathway: Environmental, Agriculture, and Natural Resources

50 students/ 2 Cohorts

Class Cap Size: 25 students Maximum

## Environmental, Agricultural, and Natural Resources at FHHS

MSDE-Approved Completer

### Recommended 4-YEAR STUDENT PROGRAM PLANNER

9 <sup>th</sup> Grade Year	10 <sup>th</sup> Grade Year	11 <sup>th</sup> Grade Year	12 <sup>th</sup> Grade Year
English 9 or English 9 Honors*	English 10 or English 10 Honors*	English 11 or AP Language 11*	English 12 or AP Lit. 12*
Algebra 1 or above*	Geometry and/or Algebra 2* or above	Algebra 2 or above*	Non - Trivial Algebra level Mathematics* <b>(Elective)</b>
US History or AP US History*	LSN Govt. or AP Govt. & Politics*	World History or AP World History*	Social Studies or another <b>Elective</b>
Biology or Honors Biology*	Chemistry or Honors Chemistry*	Physics or Honors Physics or an Advanced Science Course	Science Elective or another <b>Elective</b>
World Language 1 or above French or Spanish or an <b>Elective</b>	World Language 2 or above French or Spanish or an <b>Elective</b>	World Language or an <b>Elective (if completed world language requ.)</b>	World Language or an <b>Elective (if completed world language requ.)</b>
Personal Fitness - ½ cr. Health Issues - ½ cr.	Foundations of Technology	<b>Elective</b>	<b>Elective</b>
1 Fine Arts – Drama 1, Inter. Chorus, Basic Band, Art 1, Begin/Inter. Piano, Music Survey & Principles of Recording	<b>Elective</b>	<b>Elective</b>	<b>Internship** May be Required</b>
<b>Human Ecology and Environmental Problem Solving**</b>	<b>Natural Resources Management**</b>	<b>Environmental Technologies**</b>	<b>Environmental/Natural Resource Research and Ethics**</b>

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\*Courses require teacher approval

\*\*Courses are MSDE Completer Requirements for this Academy



## FHHS Electives

English	Math	Social Studies	Science
Journalism 1	SAT & Probability/Statistics	Advanced Placement Human Geography*	Environmental Science
Journalism 2*	Trigonometry	Intro to Sociology and Psychology	Anatomy/Physiology & Medical Science
Advanced Critical Reading*	Probability & Statistics	AP Psychology*	Advanced Placement Environmental Sci.*
SAT PREP & Research	Pre-calculus*	African American Studies and African-Area Studies	Advanced Placement Biology*
Creative Writing	Advanced Placement AB Calculus*	Social Issues	
	Advanced Placement Statistics*		

World Languages	Arts	Business	OTHERS
French 3 or Spanish 3*	Drama 2 or 3	Computer Software Appl. (CSA) & Web Page Design	JROTC 1, 2, 3, or 4
French 4 or Spanish 4*	Graphic Design	1 <sup>st</sup> Year Accounting	Team Sports 1 & Lifetime Sports
Advanced Placement French or Spanish*	Sculpture 1 & 2	Advanced Accounting	Physical Training & Team Sports 2
	Art 2	Financial Management	Technology Design*
	Advanced Chorus*	Entrepreneurship	Engineering Design*
	Applied Music Voice*	Business Economics & Business Comm.	Dual Enrollment*
	Intermediate Band *	Financial Literacy	
	Advanced Band*		

World Languages	Arts	Business	OTHERS
	Advanced Piano*		