

**NASA SEMAA**

(Aerospace Space and Homeland Security and Technology)

**\*This academy is only available to incoming 9<sup>th</sup> grade students.**

<b>Subject</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>English</b>	English I English I Pre-AP ESOL	English II English II Pre-AP ESOL	English III English III FCAT English III Pre-AP English III AP ESOL	English IV English IV FCAT English IV Pre-AP English IV AP ESOL
<b>Mathematics</b>	Algebra I Algebra I Pre-AP Geometry Geometry Pre-AP	Geometry Geometry Pre-AP Algebra 2 Algebra 2 Pre-AP Analysis of Func. Pre Calculus	Algebra 2 Algebra 2 FCAT Algebra 2 Pre-AP Analysis of Func. Pre Calculus Calculus AB or BC AP Statistics	Algebra 2 Algebra 2 FCAT Algebra 2 Pre-AP Analysis of Func. Pre Calculus Calculus AB or BC AP Statistics
<b>Science</b>	Earth/Space Earth/Space Pre-AP Biology Biology Pre-AP	Biology Biology Pre-AP Physical Science Chemistry Chemistry Pre-AP AP Chemistry	Physical Science Chemistry Chemistry Pre-AP AP Chemistry Anatomy and Phys. Ana. And Phy. Pre-AP Physics Physics Pre-AP AP Biology	Physical Science Chemistry Chemistry Pre-AP AP Chemistry Anatomy and Phys. Ana. And Phy. Pre-AP Physics Physics Pre-AP AP Biology
<b>Social Science</b>	<i>Tools for Success</i>	World History World Hist. Pre-AP AP World History	American History Amer. Hist. Pre-AP AP Amer. History	Economics American Government Amer. Govt. Pre-AP Economics Honors AP Amer. Govt. AP Economics
<b>ELECTIVES OR OTHER REQUIRED COURSES</b>				
<b>Reading Electives (Level 1 and selected Level 2 Students)</b>	Int. Reading, Int. Math, Developmental Lang Arts or Elective	Int. Reading, Int. Math, Developmental Lang Arts or Elective	Int. Reading, Int. Math, Developmental Lang Arts or Elective	Int. Reading, Int. Math, Developmental Lang Arts or Elective
<b>ACADEMY STRANDS</b>				
<b>Aeronautics</b>				
<b>Aviation</b>	<i>Avionics</i>	<i>Airframe Maintenance Technician</i>		<i>Powerplant Maintenance Technician</i>
<b>Aerospace Technology Aerospace Science IV Honors Space Technology and Engineering</b>	<i>Aerospace Technology Space Technology and Engineering</i>	<i>Aerospace Technology Space Technology and Engineering</i>		<i>Aerospace Technology Space Technology and Engineering Intensive Reading Intensive Mathematics</i>

<b>Aeronautics Aerospace Applications of Mathematics and Science Human Factors in Aviation</b>	<i>Electronics 1 Electronics 2 Electronics 3</i>	<i>Airframe Maintenance Technician</i>	<i>Powerplant Maintenance Technician</i>
<b>Aerodynamics Airport Operations Flight Operations Intensive Science</b>	<i>Electronics 4 Electronics 5 Electronics 6 Intensive Science</i>	<i>Airframe Maintenance Technician Intensive Science</i>	<i>Powerplant Maintenance Technician Intensive Science</i>
<b>Aerospace Science IV: Leadership and Development Aerospace Science IV: Transportation Principles of Entrepreneurship</b>	<i>Electronics 7 Electronics 8 Electronics 9</i>	<i>Airframe Maintenance Technician</i>	<i>Powerplant Maintenance Technician</i>

### Homeland Security and Technology

<b>Air Force</b>	<b>Army</b>	<b>Coast Guard</b>	<b>Law Enforcement</b>	<b>Fire Fighter</b>	<b>Medical Technician</b>
Career Exploration Space Technology and Engineering Aerospace Science I Aeronautics	Career Exploration Space Technology and Engineering Leadership Education Training I	Career Exploration Space Technology and Engineering Maritime Science I	Career Exploration Space Technology and Engineering Criminal Justice I	Career Exploration Space Technology and Engineering Fire Fighting I Intro. Environmental Technology I	Career Exploration Space Technology and Engineering Medical Office Technology I
Aerospace Science II Astronomy Solar/Galactic Honors Aerospace Applications of Math and Science	Leadership Education Training II Aerospace Applications of Math and Science	Maritime Science II Marine Technology Aerospace Applications of Math and Science	Criminal Justice II Principals of Public Service Legal Systems and Concepts	Fire Fighting II Environmental Technology II Principles of Public Service	Medical Office Technology II Medical Skills and Service Introduction to Information Technology
Aerospace Science III Principles of Entrepreneurship Electronics Technology Specialized Programming Honors	Principles of Entrepreneurship Leadership Education Training III Intensive Science	Principles of Entrepreneurship Maritime Science III Electricity and Electronics Intensive Science	Criminal Justice III Principles of Entrepreneurship Ethics Intensive Science	Fire Fighting III Principles of Entrepreneurship Environmental Technology III Intensive Science	Medical Office Technology III Principles of Entrepreneurship Electrocardiograph Aide 3 Intensive Science
Aerospace Science IV: Honors Executive Internships II (Industry/ Capstone Project) AP Physics C: <i>Mechanics, Electricity, and Magnetism</i> E-Commerce Entrepreneurship	Leadership Education Training IV Specialized Programming Honors <b>Executive Internship II</b>	Maritime Science IV Specialized Programming Honors <b>Executive Internship II</b>	Comprehensive Law Legal Issues in Public Affairs Specialized Programming Honors Communication Technology	Concepts of Public Affairs Criminal Justice Operations Comprehensive Law	Medical Office Internship Specialized Programming Honors Aerospace Applications of Math and Science

