and emergency preparedness and response. Recommended World Languages: Arabic, Chinese, or Russian.

IT Networking Academy CISCO (Cybersecurity)

Students enrolled in the IT Networking Academy CISCO (Cybersecurity) pathway focus on integrated computer threat detection and defense, cloud computing, data center security, identity-based network solutions, and highly secure remote access. As one of the fastest growing fields in IT and security, the pathway offers excellent career opportunities. Recommended World Languages: Arabic, Chinese, or Russian.

The Goal

The goal of the College and Career Readiness initiative is to transform the educational experience of PGCPS middle and high school students ensuring that 100% of our graduates are college and workforce ready and competitive in the 21st century economy.

SSR is a key initiative in the execution of the PGCPS system-wide goals of:
1. High Student Achievement
2. Highly-Effective Teaching
3. Safe & Supportive Schools
4. Strong Community Partnerships
5. Effective & Efficient Operations

Program Feeder Sites

In school year 2013-14 the Academy of Homeland Security and Military Science will be offered at the following high schools. The chart lists the middle schools that feed into each high school. The Academy will only serve the boundary high school area.

Forestville High School
- Andrew Jackson Academy
- Drew Freeman Middle School
- Samuel P. Massie Academy

Parkdale High School
- Charles Carroll Middle School
- Greenbelt Middle School
- William Wirt Middle School

Suitland High School
- Drew-Freeman Middle School
- Walker Mill Middle School
- William W. Hall Academy

Possible Certifications/College Credits

- Geographic Information and Remote Sensing (Information/Communication Technology)
- CompTIA A+ (IT CISCO Cyber Security)
- Up to nine college credits (Military Science)

Possible Majors in Homeland Security and Military Science

- Criminal Justice
- International Relations
- Law Enforcement
- Cyber Security/Information Technology
- Political Science
- Civil Engineering
- Emergency Preparedness

Possible Careers in Homeland Security and Military Science

- Security Guard
- Transportation Security Administration Screener
- Police Officer
- FBI Agent
- Network Systems & Data Analyst
- Cyber Forensic Technician
- Disaster Management Planner

For More Information:
Secondary School Reform (SSR)
Web Site: www1.pgcps.org/ssr
Follow us on Twitter @PGCareerAcademy
Phone: 301-952-6042 Email: secondary.reform@pgcps.org

A-1020 (10/13)
Academy of Homeland Security and Military Science

Academy Overview
The Academy of Homeland Security and Military Science provides students with a rigorous academic environment and practical application of their acquired skills to prepare them for a variety of careers in both the public and private sector of industries that serve and protect the citizens of the United States of America.

The programs of study encourage career exploration and challenges students to demonstrate competence, confidence and leadership. Program outcomes include: scientific, mathematical, and technological communication skills, social and civic responsibility, gaining a global perspective, and self-management and wellness.

Programs of Study
The Academy of Homeland Security and Military Science features the following four programs of study:

►Military Science
Academy of Military Science (AMS) is a unique blend of academic preparation of cadets for college and the work force, while providing students an applicable understanding of the fundamental concepts of citizenship, leadership, service, teamwork, self-discipline and self-reliance through participation in Junior Reserved Officers Training Corps (JROTC).

Cadets will have the opportunity to earn nine (9) college credits through the Adams State University “College Credits for Cadets” program. Participation in AMS incurs no obligation to join the Armed Forces. Recommended World Languages: Arabic, Chinese, or Russian.

►Homeland Security Science
Homeland Security Science integrates government, academia, and private sector training and educational initiatives to help students understand how the United States and its interests worldwide are protected against threats to public safety.

Classroom experience and capstone exercises will allow students to demonstrate knowledge and proficiencies for positions with various agencies associated with Homeland Security. Recommended World Languages: Arabic, Chinese, or Russian.

►Information/Communications Technology
The Information/Communications Technology pathway includes a focus on geospatial mapping and remote sensing through the STARS program.

This critical area of Homeland Security aids with the protection of critical infrastructure and key assets, defense against catastrophic threats.

Sample Program Planner:
Military Science

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9</td>
<td>English 10</td>
<td>English 11</td>
<td>English 12</td>
</tr>
<tr>
<td>Algebra 1</td>
<td>Geometry</td>
<td>Algebra 2</td>
<td>Mathematics*</td>
</tr>
<tr>
<td>Integrating the Sciences</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Science*</td>
</tr>
<tr>
<td>US History</td>
<td>Reconstruction to the Present</td>
<td>Local, State, and National Government</td>
<td>World History</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Health</td>
<td>Fine Arts</td>
<td>Elective</td>
</tr>
<tr>
<td>World Language 1</td>
<td>World Language 2</td>
<td>World Language 3</td>
<td>World Language 4</td>
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<tr>
<td>Foundations of Technology</td>
<td>American</td>
<td>Veterans Profiles in Leadership</td>
<td>American</td>
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<tr>
<td>ROTC 1</td>
<td>ROTC II</td>
<td>ROTC III</td>
<td>ROTC IV</td>
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Sample Program Planner:
Information/Communications Technology

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<td>Elective</td>
<td>Internship/ Capstone</td>
</tr>
<tr>
<td>Practical Law</td>
<td>Global Issues</td>
<td>Foundations of Homeland Security and Emergency Preparedness*</td>
<td>STARs 1*</td>
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<td>STARs 3*</td>
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Sample Program Planner:
IT Networking Academy CISCO (Cybersecurity)

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* denotes academic elective courses that must be taken in the specified subject area.

College and Career Ready
Raising Expectations • Expanding Opportunities • Enhancing Support