Pope High School
Inspiring students to achieve extraordinary success!

Career Academies at Pope High School
Pope STEM Academy
Science, Technology, Engineering & Math
Pope Culinary Arts Academy
Pope Globalization Academy

Pope High School
3001 Hembree Rd
Marietta GA 30062

For more information contact
Loretta Clune, Assistant Principal for Curriculum & Instruction

Visit our website www.cobbk12.org/pope
PROGRAM DESCRIPTION:

College and Career Pathways @ Pope High School

Academies @ Pope offers career academies for students of exceptional merit. There are currently four academic focuses:

STEM Academies that have two pathways-
   Advanced Math & Science pathway and Engineering Pathway

Culinary Arts Academy

Globalization Academy

Each Academy focus adds to a high school curriculum that is demanding and rich in academic challenge. Students are encouraged to exceed their own expectations as well as those of their parents and teachers. Each Academy has an application process that involves teacher recommendations and course and grade prerequisites that are spelled out for each Academy.

Why Career Academies?
The state of Georgia is now requiring students to complete a pathway in high school to prepare them for college or a career, and the lieutenant governor has launched the College and Career Academy Network. The state has taken other steps requiring students to identify a career pathway focus in middle school.

What is special about the Academies?
- Preparation for college AND high-demand, high-wage careers
- Parent and community involvement
- Personalized learning environment for ALL students
- Engaging curriculum and instruction
- Practical work experiences such as job shadowing and internships
- Opportunities for online courses, college credit, and professional certifications during high school
- Project-based, interdisciplinary learning

Rigor
All students form a deeper understanding of required academic subjects, electives, and specialized courses to prepare them for college

Relevance
Teachers incorporate real-world examples into all academic and specialized courses

Relationships
Students share smaller personalized environments with classmates with common interests and a team of teachers who serve as their advocates

Readiness
Connections with business and community partners provide students with 21st Century and Academic Skills for post-secondary and career success
DETAILS:

Currently Pope is offering 4 Career Academy opportunities. As our different departments develop specific Career Academies, we will add to our offerings with the goal of every incoming freshman applying to a specific academy. This will allow Pope to meet the State of Georgia’s goal of 100% of our students completing a College and Career pathway before they graduate from high school.

ADMISSIONS: The Academies @ Pope are a specific pathway of courses offered only to those students who are accepted into the program. Upcoming 9th graders must submit an application and two teacher recommendations (current science and math teacher for STEM pathways) that will be evaluated by a committee of faculty and staff. Acceptance is based on a combination of subject-specific test averages, standardized test scores, teacher recommendations, extracurricular activities, and essays written by the applicant. Admission deadline will be strictly followed, and there will be no exceptions granted.

EXPECTATIONS: Each Career Academy will have its own expectations and course requirements. Students accepted to the Academies @ Pope are first and foremost expected to maintain specific grades in each Academy course. In addition to maintaining academic excellence in the classroom, students are also expected to complete the following:
1. Yearly participation in extracurricular Academy activities such as Science Fair, Science Olympiad, Robotics, Math Team, FBLA, Mock Trial, Debate, Model UN, STEM events and Academic Bowl.
2. Complete a capstone project and/or business internship during junior or senior year.
3. Attend Academy specific activities such as summer workshops, business presentations and other events mandated during Academy courses.

Students are admitted into the specific Academy pathways in their freshman year.

Acceptance of admission into Pope’s Academy implies that a students will remain an Academy student throughout their high school career in order to earn Academy/STEM designation on their Pope diploma.

Each pathway within Academies @ Pope focuses on a particular interest of the student; therefore, the admission standards and course sequences differ. The following provides information regarding expectations of each major.
STEM- Advanced Science & Mathematics Pathway

A Pope Academy for the Advanced Science & Mathematics student should have a strong interest in mathematics, science and technology. The program of study is centered on the usual academic core subjects - English, social studies, world language, and mathematics. In addition, STEM students take four years of AP sciences. This rigorous sequence leads to an understanding and retention far greater than that obtained in a more traditional program.

The following chart gives you the required coursework to be completed in math and science. Please note that below is a list of other requirements outside of the STEM required courses and additional suggestions and prerequisites.

<table>
<thead>
<tr>
<th></th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Accelerated Geometry B/Advanced Algebra</td>
<td>Accelerated Precalculus*</td>
<td>AP Calculus BC</td>
<td>Multivariable Calculus**</td>
</tr>
<tr>
<td>Science</td>
<td>AP Environmental Science</td>
<td>AP Chemistry</td>
<td>AP Biology</td>
<td>AP Physics C*** or Physics I</td>
</tr>
</tbody>
</table>

*Students are encouraged to take AP Statistics or AP Computer Science as an additional class during 10th or 12th grade.

**Students will complete the senior research project as part of this course.

***It is recommended you take AP Physics C; however, you will need to double up on science in the 10th or 11th grade and take Physics I or honors physics to have the background required.

In addition to the math and science courses required you will need to take the following courses: 4 units of English, 3 units of Social Studies, 3 units of Foreign Language, and 1 unit of Health/BPE. You will have 5 remaining electives, of which two are suggested above.
**STEM- Engineering Pathway**

The program of study is centered on the usual academic core subjects - English, social studies, world language, and mathematics. In addition, STEM Engineering students take four years of Engineering/STEM related electives. This rigorous sequence leads to an understanding and retention far greater than that obtained in a more traditional program.

The following chart gives you the required coursework to be completed in science and engineering. Please note that below is a list of other requirements outside of the STEM required courses and additional suggestions and prerequisites.

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<th>12th Grade</th>
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</thead>
<tbody>
<tr>
<td><strong>Engineering</strong></td>
<td>Foundations of</td>
<td>Engineering Concepts</td>
<td>Engineering Applications or Robotics</td>
<td>Engineering Internship** or Robotics</td>
</tr>
<tr>
<td></td>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>AP Environmental</td>
<td>AP Chemistry</td>
<td>AP Biology</td>
<td>AP Physics C*** or</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td></td>
<td></td>
<td>Physics I or</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AP Computer Science</td>
</tr>
</tbody>
</table>

Math requirement to be admitted into the program- minimum entry point is Accelerated Coordinate Algebra B/Geometry A or higher.  
*Students are encouraged to take AP Statistics, AP Computer Science as an additional class during 10th or 12th grade if not taken as 12th grade science.  
**Students will complete the senior research project as part of this course.  
***It is recommended you take AP Physics C; however, you will need to double up on science in the 10th or 11th grade and take Physics I or honors physics to have the background required.  
In addition to the Engineering and science courses required you will need to take the following courses: 4 units of English, 4 units of Math, 3 units of Social Studies, 3 units of Foreign Language, and 1 unit of Health/BPE.

The Engineering pathway focuses on general engineering disciplines and prepares students for entrance into college engineering programs. While not everyone in this academy will pursue engineering, those that choose
CULINARY ARTS ACADEMY

Students will explore different fields of the culinary trade in our state-of-the-art facility. By focusing on hands-on training, students prepare for a dynamic, rewarding career in the food service and hospitality industry. Students will be able to apply their skills easily into new careers upon graduation. Courses are intensive, practical and updated regularly to reflect current industry trends. Students receive career-oriented instruction in both classic and modern culinary arts with an emphasis on the skills needed to succeed in the industry and postsecondary education.

A Pope High School Culinary Arts Academy student should have a strong interest in hospitality and tourism related fields. Other important characteristics needed include the ability to work as part of a team, working efficiently, personal cleanliness, self-discipline and initiative. The program of study is centered on the usual academic core subjects – English, social studies, and mathematics. In addition, Culinary Arts students take a minimum of 3 years of Culinary Arts and Nutrition courses.

The following chart gives you the required coursework to be completed in science and Culinary Arts. Below that is a list of other requirements outside of the Culinary Arts required courses and additional suggestions.

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<tbody>
<tr>
<td>Culinary Arts</td>
<td>Intro to Culinary Arts</td>
<td>Culinary Arts I</td>
<td>Culinary Arts II</td>
<td>Internship**</td>
</tr>
<tr>
<td>Science</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Physics</td>
<td>AP Environmental Science</td>
</tr>
</tbody>
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* End of Pathway and ServSafe certification tests will be taken at the end of this course.
** A Culinary internship is suggested during the senior year.
*** Students are encouraged to take AP Statistics as an additional class during 10th or 12th grade.

In addition to the Culinary Arts and Science course required, you will need to take the following courses: 4 units of English, 3 units of Social Studies, 3 units of Foreign Language, and 1 unit of Health/Personal Fitness.

Students who successfully complete the Culinary Arts Pathway and pass the end-of-pathway and ServSafe tests are allowed to exempt the initial Culinary Arts course in Kennesaw State University’s new Bachelor of Science in Culinary Sustainability and Hospitality Management.
GLOBALIZATION ACADEMY

Globalization refers to the changes in the world where we are moving away from self-contained countries and toward a more integrated world. Globalization of business is the change in a business from a company associated with a single country to one that operates in multiple countries.

We want you to graduate from high school with a full understanding of the historical, social, economic, scientific, and technological components of the global age. To achieve this, you must be willing to ask questions, share insights, study, embrace challenge, and to give your time and energy to our campus and community. In return, you will graduate prepared for the finest universities and with the critical international understandings needed to engage and lead on a global level.

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</thead>
<tbody>
<tr>
<td>Social Studies</td>
<td>AP Human Geog-</td>
<td>AP World History</td>
<td>AP US History*</td>
<td>AP Gov/AP Econ</td>
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<tr>
<td>Language Arts</td>
<td>Honors 9th Lit</td>
<td>Honors Brit Lit</td>
<td>AP Language/</td>
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<td>American Lit</td>
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Globalization Academy students will take World Language for all four years. This can be either the study of one language through AP level, or a combination of two languages.

| 4 years of the same World Language (French, German, Spanish) | Each year of high school |
| 2 World Languages (French, German, Spanish)                | 3 years of 1 language, 1 year of second language |
|                                                             | Or 2 years of 1 language, 2 years of second language |

Globalization Academy students will have the opportunity for study/travel at least once during their high school career.

*Students are encouraged to take AP Psychology as an additional class during 11th or 12th grade and AP Environmental as their 11th or 12th grade Science
**Students will complete the senior research project as part of this course.
***It is recommended you take Current Issues as a Junior; however, you will need to double up on Social Studies.

In addition to the Social Studies, Foreign Language and Language Arts courses required you will need to take the following courses:
4 units of Math, 4 units of Science, and 1 unit of Health/BPE.
ADMISSION REQUIREMENTS AND APPLICATION PROCESS

Applicants of the graduating class of 2018 must reside within the Pope High School attendance zone or be on transfer using HB 251 (see website for details and deadlines). The admissions committee will consider the candidates based on information in application package, strong middle school grades, teacher recommendations, SAT scores if available, mathematics and science grades in middle school, and desire in the major area.

1. Complete all required sections of this application form. Upon completion of the form, forward it to Loretta Clune at Pope High School, Academies @ Pope, 3001 Hembree Road, Marietta, Georgia 30062 by the deadline of February 28, 2014.

2. Complete the top portion of the two educator recommendation forms and distribute them to the student’s current teachers. List the recommending educators in the appropriate section of this application. Please give the evaluators stamped envelopes addressed to the above address, or Cobb County teachers may send the form through county mail to the attention of Loretta Clune.

IMPORTANT DATES AND TIMELINE

February 20  Parent Information Night @ Pope  6:30 in Theater

March 7  Application Deadline for Academies