

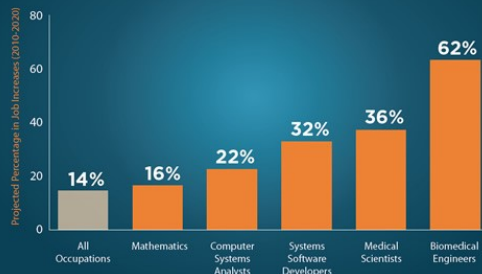
## STEM: THE NEED

The Pike County School System is dedicated to preparing its students for the educational and career challenges of tomorrow. Science, Technology, Engineering, and Mathematics or STEM Education provides Pike County School System students with additional exposure to STEM concepts, while enhancing peer collaboration, problem solving, and creative thinking skills. The STEM Academy is an educational innovation of the Pike County Schools – designed to enhance overall STEM skills in order to better prepare already well-equipped students for post-secondary education and ultimately STEM careers.

**STEM – Building towards the future!**

(US Department of Education, 2017)

### PROJECTED PERCENTAGE INCREASES IN STEM JOBS: 2010-2020



For more information regarding the Pike County Schools STEM Academy or any other academy, contact your high school guidance counselor.



The Pike County Virtual High School does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.

Please contact **Dr. Mark Head** at **(334) 566-1850** for inquiries regarding the non-discrimination policies.

#### CONTACTS

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## STEM ACADEMY

Virtual  
HIGH SCHOOL

## STEM EDUCATION

INSPIRING ...

CHALLENGING ...

INNOVATING ...

**PIKE COUNTY SCHOOLS**  
101 WEST LOVE STREET  
TROY, AL 36081  
DISTRICT (334) 566-1850  
CASH OFFICE (334) 566-5396  
[WWW.PIKECOUNTYSCHOOLS.COM](http://WWW.PIKECOUNTYSCHOOLS.COM)

## PROGRAM OF STUDY: MATH/SCIENCE IMMERSION

The Pike County School System's Dual Enrollment STEM Academy is an extension of the elementary/middle school STEM initiative started during the 2015-16 school year.

This Dual Enrollment STEM Academy offers college courses that emphasize higher level mathematics and science concepts while continuing to integrate hands-on, practical application STEM activities.



This 3-year program, in cooperation with Troy University, will offer these highly motivated students with challenging STEM material while earning college credit for

future STEM-related instruction/education and careers.

This program will be a tremendous boost for the students' futures and to the overall STEM community.



\*Note—program of study is subject to change based on the needs of Troy University and/or the Pike County School System.

SEMESTER	COURSE SCHEDULE*
Fall Semester – Sophomore Year	ART 1133 – 3 IDS 2200 (SAT) – 3 MTH 1105 – 3 <b>(9 Hours)</b>
Spring Semester – Sophomore Year	SCI 22233 – 3 SCI L233 – 1 MTH 1112 – 3 <b>(7 Hours)</b>
Summer Semester (or Term)	National Flight Academy: 6-Day Deployment aboard AMBITION @ NAS Pensacola, FL
Fall Semester – Junior Year	ENG 1101 – 3 HIS 1111 – 3 CHM 1142 – 3 CHM L142 – 1 <b>(10 Hours)</b>
Spring Semester – Junior Year	ENG 1102 – 3 HIS 1112 – 3 MTH 1114 – 3 <b>(9 Hours)</b>
Summer Semester (or Term)	IS 2241 – 3 CS 2250 – 3 <b>(6 Hours)</b>
Fall Semester – Senior Year	ENG 2205 – 3 POL 2241 – 3 MTH 1125 – 4 Elective – 3 <b>(13 Hours)</b>
Spring Semester – Senior Year	ENG 2206 – 3 ECO 2251 – 3 PHY 2252 – 3 PHY L252 – 1 <b>(10 Hours)</b>
<b>Total Hours</b>	<b>64 Hours</b>



For consideration into the STEM Academy, students must:

- Enroll in a Pike County School
- Apply in the 9th grade
- Have a GPA of 3.0 or higher
- Have ACT or ACCUPLACER Scores of:
  - ◇ ACT
    - 20 or higher in English/Writing
    - 23 or higher in Mathematics
  - ◇ ACCUPLACER
    - English 1101 qualifying score
    - Math 1105 qualifying score
- Good attendance
- Good discipline/conduct
- Overall good standing with their school
- Submit completed academy application
- Current transcript
- One (1) administrator recommendation
- Three (3) teacher recommendations

Write an essay (125-200 words) explaining why you would be an excellent candidate for one of our academies.

**-Albert Einstein**

**"To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science."**