

Who is eligible to apply for the STEM Academy?

All CCPS grade 9 students currently enrolled in *Honors Geometry* and/or *Honors Algebra II* and *Honors Biology* may apply for admission.

For students to be admitted to STEM, they must have successfully completed the following courses prior to entering grade 10:

- *Honors Geometry* and/or *Honors Algebra II*
- *Honors Biology*
- *Introduction to Engineering Design*

Applications become available January 2017. The deadline for submission is February 14, 2017.

STEM Academy Requirements

- 6 Math credits: (AP course and/or college course required)
- 5 Science credits: (Honors Chemistry, Honors Physics, AP course and/or college course required)
- Completion of the Capstone Project in the *Honors Research & Design—Capstone Course*

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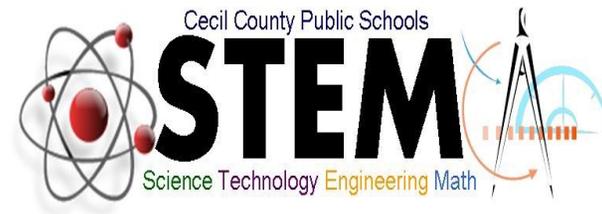
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The **Cecil County Public Schools STEM Academy** is a challenging program of study for students planning to enter college to prepare for careers in mathematics, science, technology, and engineering in an ever-changing and highly technical global society.



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What is the STEM Academy within CCPS?

Students accepted into the program, at the end of their freshman year, will be offered a rigorous accelerated curriculum beyond the regular high school curriculum, rich in lab and work-based experiences. The STEM Academy courses are designed to challenge students with integrated technologies and extensive problem-solving. Opportunities to work with experts in the field and current technology both within the school and the community will be an essential part of the program and prove invaluable as students complete their Capstone Projects.



*For more information about the program or
the application process, please contact:*

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What does the Capstone Course involve?

Students enroll in a course called *Honors Research & Design/Capstone* during their junior and/or senior year. This is the final requirement in the STEM Academy to earn recognition in the pathway.

In this course, students conduct an independent research project in one of the STEM disciplines. Each student is paired with a STEM mentor who is a scientist, mathematician and/or engineer to assist them with their Capstone Project.

The project incorporates annotated research, critical thinking, creative problem solving and/or the scientific method, or engineering design process of a topic of the student's choice.

The culmination of the Capstone Process is the Gallery Walk each spring.