



Gaston County Schools Technology and Industrial Engineering Academy

Technology & Industrial Engineering Academy at Bessemer City High School Frequently Asked Questions

1. What is the purpose of the Technology & Industrial Engineering Academy?

The purpose of the Academy is to allow students to explore educational opportunities and certifications that will prepare them for careers in technology, computer science, and engineering. Students will gain unique experiences to prepare them for the workforce, community college or four year university.

2. How will the academy courses affect graduation requirements?

Students in all Technology & Industrial Engineering Academy courses will meet the NC High School Graduation requirements in 4 years.

3. How will core classes (non-CTE) be different for students in this academy?

Bessemer City High School teachers will be trained in Project Lead the Way. Teachers in all content areas will integrate STEM strategies for all students.

4. What are the requirements for admissions to the Academy?

Students must be in good standing including appropriate attendance, behavior, and academics. Parent/legal guardian must be residents of Gaston County.

5. Who can apply to the Technology and Industrial Engineering Academy and how are students selected?

Incoming ninth grade students may apply.

6. What are the requirements for continued enrollment?

Parent/legal guardian must maintain residency in Gaston County. Students must be in good standing including appropriate attendance, behavior, and academics.



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7. What credentials could I earn as a part of the Technology and Industrial Engineering Academy?

Certified Production Technician, CPR, First Aid, National Center for Construction Education Research, OSHA Construction, OSHA Industry, OSHA Healthcare, and Certified Nursing Assistant

8. What opportunities will be available because of my enrollment in the Technology and Industrial Engineering Academy?

Students will have the opportunity to participate in Advanced Placement (AP) level CTE courses, job shadowing, internships, apprenticeships, pre-apprenticeships, career expos/career fairs, business & industry related field trips/tours, and College & Career Promise (CCP) courses. Some of our current business and education partners are: A&E, GSM, Beam Construction, Pharr, Spake Construction, Blum, Dixon, Rochling, Daimler, and Gaston College.

9. Is this program only for students that want to be engineers or computer scientists?

No! This Academy is for any student who wants to participate in engaging hands-on activities, solve real-world challenges, and reimagine how they see themselves in a classroom.

10. What is the earliest I can drop my child off and the latest I can pick up my child?

8:00 a.m. Drop Off and 4:00 p.m. Pick Up