



STEM ACADEMY

9TH-12TH GRADE INFORMATION

[HTTPS://WWW.STEM.ECTORCOUNTYISD.ORG](https://www.stem.ectorcountyisd.org)



MISSION

The STEM Academy prepares students to be STEM college and career ready, with a shared focus on collaboration, creativity, communication, and critical thinking.



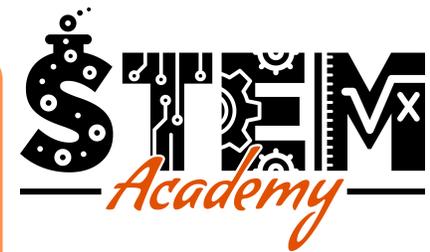
CAMPUS HIGHLIGHTS

- Small learning environment
- Chromebooks provided for all students
- FREE college tuition! No cost to students.
- Internships and Career Explorations .



ADMISSION CRITERIA

- Completed application
- Selected using criteria from TEA
- Enrollment is limited



CONTACT US

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ABOUT US

The STEM Academy, an innovative K-12 charter school on the UTPB campus. By focusing on a seamless transition from elementary through high school and into post-secondary education, the Academy equips students a foundation in STEM disciplines, project-based learning, and college readiness. Early exposure to STEM concepts begins in K-8, where students are introduced to the fundamentals of engineering, biomedical science, and computer programming, setting the stage for deeper exploration in middle school and high school.

As students progress to grades 9-12, they follow specialized pathways—Engineering, Biomedical Science, or Computer Programming—that align with college and career pathways, emphasizing practical application and critical thinking. Project-Based Learning (PBL) is the backbone to the curriculum, fostering collaboration and hands-on experiences that build conceptual depth and engagement. High school students will enter the Early College High School program, allowing them to earn Dual Credit, accelerating their preparation for college while still in high school. Through this model of learning STEM Academy students gain the skills needed for success in college and beyond.

STUDENT ACTIVITIES

- | | | |
|----------|-------------------------|-----|
| STUCO | Texas Scholars | NHS |
| Robotics | Botany Club | UIL |
| TAME | Dance Club | D&D |
| eSports | Destination Imagination | |

STEM Focused Pathways

- Computer Programming- Robotics, Game Dev, Capstone
- Engineering- Applied Engineering, Engineering Design
- Biomedical Sciences- Human Body, Medical Interventions, Capstone.
- Teaching - Emphasis on future Math and Science Educators



Project Based Learning

- Real World Learning Experiences
- Internships and Career Prep
- 21st Century Learning Skills, collaboration, creativity, communication and problem solving.



Early College High School

- Earn an Associates Degree while in HS or up to 60 credits hours through OC or UTPB.
- Free of cost to all eligible students.
- Beginning 9th grade year.



TO APPLY, VISIT: [TINYURL.COM/APPLYTOSTEM](https://www.tinyurl.com/applytostem)