

Science, Technology, Engineering, & Mathematics (STEM)



Academy of Careers & Technologies strives to attract academically talented, college-bound students from diverse backgrounds. Students interested in science, technology, engineering, and mathematics.

Engineering falls into two primary categories—one that focuses on doing engineering, and one that focuses on applying engineering.

Are you interested in math, science or computers?

If you have creative ideas and want to show the world, then this might just be the career field for you.

An engineer is a person that likes to build things that can improve something that people have trouble doing.

Engineers can be right out of high school, returning students, just out the military, or have a disability.

WE ACCEPT STUDENTS FROM ALL DISTRICTS

Qualifications and Requirements

To be considered for admission at Academy of Careers and Technologies students must:

- *have a grade point average of “C “ (75 or higher) in core subjects*
- *be successful in completing the eighth grade*
- *be satisfactory in conduct and attendance, and*
- *students must have an interest in this field of study*
- *completed questionnaire*
- *Passing TAKS scores*

Applications

Applications are currently available, and are due by June 15th. All applicants will be informed of their application status including acceptance or non-acceptance between June 28th – July 9th. Students interested in applying after this deadline may do so, and those applications will be considered as space is available.

Classes for Engineering Bound Students

Grade 9

- *English I*
- *Algebra I*
- *Biology*
- *World Geography*
- *Physical Education*
- *Art I*
- *Concepts of Engineering & Technology*
- *Career Preparation I*

Grade 10

- *English II*
- *Geometry*
- *Chemistry*
- *World History*
- *Foreign Language I*
- *Biotechnology*
- *Professional Communication*
- *Engineer Design & Presentation*

Grade 11

- *English III*
- *Algebra II*
- *Physics*
- *U.S History*
- *Foreign Language II*
- *Electronics*
- *Robotics & Automation*
- *Government/Economics*

Grade 12

- *English IV*
- *Engineering Mathematics*
- *Foreign Language II*
- *Principles of Technology*
- *Advanced Engineering Design & Presentation*
- *Advanced Electronics*

*Science and math will
help prepare you for
the future.*



Certificate



My family is so proud of me that I graduated High School with an Auto CAD certificate, and now I'm on my way to Princeton University where I will receive my bachelors degree.

Our engineering elective courses help our students who are considering engineering majors or focusing on an engineering career.

Certificates
(completion of graduation)

OSHA Career Safe

AutoCAD

Auto CAD Architecture

Related Fields of Study

Something you might have not knew before

If you choose engineering you can also major in medical or law.

Related Career Fields

Architectural

Biomedical

Ceramic

Computer

Environmental

Manufacturing

Fire Protection

Industrial

Mechanical

Civil

Metallurgy & Materials

Mineral & Mining

Bioengineering

Electrical

Chemical

Universities/ Colleges of Study

Devry University

Cockrell School of Engineering

Texas A & M University

Hallmark College of Technology

Princeton University

University of Texas at Arlington

University of Texas at Austin

UTSA

Stanford University

St. Philip's College

Lamar University

ITT Technical Institute

Academy of Careers and Technologies is an equal opportunity educational institution that complies with the law. The school will provide educational services to any eligible adolescent within its geographical boundaries, and in accordance with its charter, without regard to race, ethnicity, citizen status, national origin, ancestry, gender, sexual orientation, age, religion, physical or mental disability, or any other factor protected by law.