



ENGINEERING



Academics

Program of Study: Engineering Foundations

The **Engineering Foundations** program teaches students about different jobs and skills used in engineering. In this program, students will design, test, and improve projects like engines, machines, and buildings. They will use science, math, and real-world evidence to solve problems by creating, building, and fixing different kinds of engineering systems.

CAMPUSES

Chavez HS	Milby HS
East Early CHS	South Early CHS
Eastwood HS	Waltrip HS
Energy Institute	Washington HS
HAIS	Westbury HS
Heights HS	Westside HS
Lamar HS	Wisdom HS
Madison HS	YWCPA

INDUSTRY-BASED CERTIFICATIONS OFFERED

- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Revit
- Autodesk Associate (Certified User) Fusion 360
- SOLIDWORKS Associate (CSWA) - Academic
- Engineering Technology Foundations

CAREER OCCUPATIONS

ASSOCIATE'S DEGREE

Electro-Mechanical and Mechatronics Technologists and Technicians

Median Salary: \$57,921
Annual Openings: 58

Industrial Engineering Technologists and Technicians

Median Salary: \$75,730
Annual Openings: 225

BACHELOR'S DEGREE

Petroleum Engineer

Median Salary: \$141,664
Annual Openings: 730

Industrial Engineer

Median Salary: \$103,655
Annual Openings: 483

Chemical Engineer

Median Salary: \$133,677
Annual Openings: 277

OTHER OCCUPATIONS

DESCRIPTION	MEDIAN SALARY	ANNUAL OPENINGS	10-YEAR GROWTH
Materials Engineer	\$132,749	61	24%
Biomedical Engineer	\$79,762	23	24%

To learn more about our CTE Programs please visit
<https://www.HoustonISD.org/CareerReadiness> or any of the campuses listed.

Cite Sources:

*Rice University Kinder Institute Workforce Demand Dashboard ([Click Here](#))

**"Employment Projections - Texas Wages and Employment Projections" ([Click Here](#))