



PRIVATE PILOT

Salary: \$57,00 - \$120,000

Employment Growth: 20%

Postsecondary: Bachelor Degree

Aviation Technology
Business Management
Communications
Economics
Electrical Engineering
Aircraft Dispatch
Aviation Technology

PROSPECTIVE BUSINESS

PARTNERS

Continental Airline, Federal Express, UPS, Hobby Airport, Flying Tigers

EDUCATION COLLABORATORS

Houston Community College, University of Houston (College of Technology)

PROPOSAL *for the* School of Logistics and Global Supply @ Sterling

OVERVIEW

The School of Logistics and Global Supply Chain Management program provides students with the knowledge and ability to apply individual technical skills necessary to pursue a career in areas such as exporting/importing, materials handling, global transportation, warehouse and distribution center management, purchasing management, and traffic management. The program will provide:

- Courses taught by college professors utilizing a blend of face-to-face and online instruction
- Meaningful and engaging project-based assignments
- An Associate's Degree earned by August after the senior year of high school
- Valuable industry certifications embedded into the coursework
- Preparation to move directly into the workforce after graduation or on to pursue additional education at a premier college or university
- Technology-rich college atmosphere

PERSONALIZATION

Every student at a **HiLZ** school has a staff advisor who monitors their personal, academic, and professional development. Students pursue personal interests through projects and compile and present their best work in personal digital portfolios. Facilities are tailored to individual and small-group learning, including networked wireless laptops, project rooms for hands-on activities and exhibition spaces for individual work.

PREPARATION

HiLZ schools make no distinction between college preparation and career & technical education; the program qualifies all students for college and success in the world of work immediately upon graduation. Enrollment is non-selective, and there is no tracking at I-TECH. The curriculum is rigorous, providing the foundation for entry and success at colleges and universities as well as direct-entry into the workforce.

PRACTICE

HiLZ school students experience some of their best learning outside the school walls. Juniors complete a semester-long academic internship in a local business or agency. Seniors develop substantial projects that enable them to learn while working on problems of interest and concern in the community. Earlier, in 9th and 10th grade as well as middle school, students may “shadow” an adult through a workday, perform community service in a group project, or engage in “power lunches” with outside adults on issues of interest.

PERFORMANCE

Assessment is performance-based and all students develop projects, solve problems, and present findings to community panels. All students are required to complete an academic internship, a substantial senior project, and a personal digital portfolio.



CURRICULUM AND PLAN OF STUDY

Required Academic Classes

Students will complete four years of dedicated classes in Social Studies & Language Arts, Mathematics, English, and Science.

Dual-Credit Enrollment and/or Advanced Placement

Students will have the opportunity for Advanced Placement and Dual -Credit Enrollment academic classes throughout their high school career.

Career and Technical Education Courses

- Aviation Meteorology
- Introduction to Aviation
- Private Pilot Flight Training
- Private Pilot Ground School
- Aviation Safety
- Principles of Purchasing
- Principles of Management
- Business Writing Essentials
- Humanities Elective
- Principles of Exports
- Principles of Imports
- Global Supply Chain
- International Business Law
- Workforce Development with Critical Thinking
- Introduction to Business Logistics
- Introduction to Materials Handling
- Domestic and International Transportation Management
- Warehouse and Distribution Center Management
- Introduction to Safety and Health

Students completing a four-year program receive certification; completed Dual Enrollment credits should transfer to most public colleges or universities.

HiLZ FACILITIES

The HiLZ facilities have a distinctive high-tech “workplace” feel with small-group learning and project areas, laboratories equipped with the latest technology, wireless laptop access, and common areas where artwork and prototypes are displayed.

- **The Commons**—the intellectual hub of the school, a centrally located meeting area for student gatherings, exhibitions, presentations, performances, and community meetings.
- **Seminars**—small rooms, studio spaces, and teachers’ offices, designed to promote team teaching as well as a sense of ownership and place.
- **Studios**—multi-purpose spaces for shared use by groups from adjacent seminar rooms to support individual, small group, and large group activities.
- **Galleries**—exhibition walls and areas for display of student work, often located in or along corridors and circulation routes.
- **Specialty Labs**—labs and project rooms with access to technology and equipment for learning in specialized areas such as biotechnology, mechanical engineering, and graphic design.

CAREER OPTIONS EMPLOYMENT OUTLOOK

Job Title	Employment Growth	Median Hourly Wage	Annual Salary
Transportation, storage, and distribution managers	52%	\$36.93	\$76,814
Purchasing agents	35%	\$24.46	\$50,877
First-line supervisors/managers	45%	\$18.31	\$38,049
Planning, and expediting clerks	22.2%	\$32.67	\$67,954

Employment Outlook from 2008 to 2018 - Houston/Gulf Coast

CERTIFICATION CREDENTIALS

A credential attests to the qualifications, competence, or authority of an individual to perform at levels of proficiency established by a third party with the relevant or de facto authority and competence to do so. It is the ultimate demonstration of the Knowledge and Skills outlined in the Programs of Study.

Airmen Certification	Responsible Care Auditor
Certified Logistics Technician	Fluid Power Pneumatic Technician
Fluid Power Hydraulic Specialist	Fluid Power Mobile Hydraulic Mechanic
Certified Aerospace Technician	Certified Lubrication Specialist

At-A-Galance

Ross S. Sterling High School opened as a junior/senior high school (grades 7–12) in the fall of 1965, and was named after Ross Shaw Sterling, a one term Texas Governor and businessman that provided leadership for Humble Oil Company (ExxonMobil), Houston National Bank, the Houston Post newspaper, and the Houston–Harris County Channel Navigation Board (The Port of Houston Authority). The school became a senior high school (grades 10–12) exclusively with the 1968–1969 school year, and added the 9th grade in Fall 1981. Sterling currently offers a magnet program for Aviation and is the only one of its kind in the Greater Houston area. Students have the potential to earn a private pilot’s license by their senior year.

The Career & Technical Education (CTE) Programs currently offered at Sterling HS are:

- Transportation, Distribution & Logistics Cluster
- Business Management & Administration Cluster
- Information Technology Cluster
- Arts, A/V Technology & Communications Cluster
- Human Services Cluster
- Marketing cluster

Students earned:

- 261 certifications in 2010-2011
- 71 certifications in 2009-2010

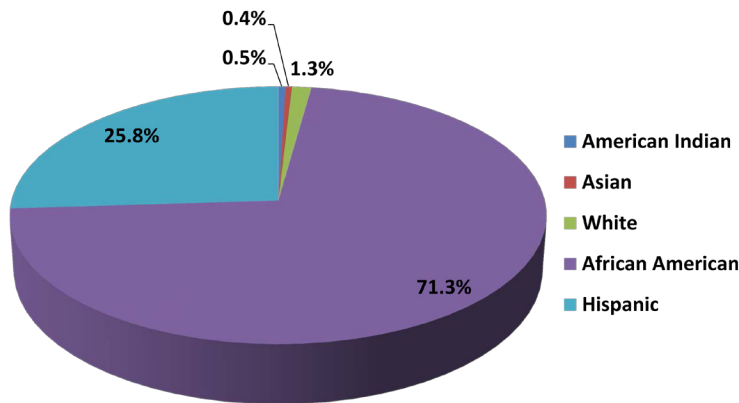


CTE Weighted Funding Generated

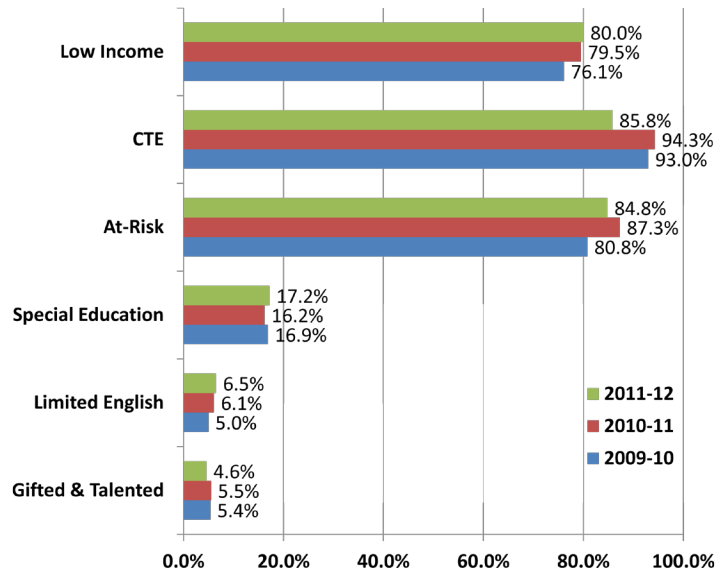
These figures are estimated after the Career Academy programs have been in place four years. It assumes that the campus is only drawing funding for students in the CTE portion of the HiLZ schools.

Hrs per day	Instruc-tional days	# of students	Total	Contact Hrs Generated	FTE	PUA	Amount Generated by CTE
1	175	25	4375	1050	4.1667	\$3,246	\$13,525
1	175	25	4375	1050	4.1667	\$3,246	\$13,525
1	175	25	4375	1050	4.1667	\$3,246	\$13,525
3	175	25	13125	1050	12.5	\$3,246	\$40,575
Total Amount Generated							\$81,150

Campus Demographics



Campus Statistics



Budget

2011-12 Start Up & Year 1 Costs	
Curriculum Development	\$68,750
Professional Development	\$600
Materials & Supplies	\$400
College Staff	\$15,180
Tutoring / College Prep Staff	\$10,109
Computer Equipment	\$131,691
Other Costs - COMPASS testing	\$5,400
Furniture	\$50,000
Physical Renovations	\$20,000
Technology Infrastructure	\$16,480
Remediation software	\$15,200
Textbooks	\$14,250
Marketing/Publicity	\$10,000
Contingency	\$70,000
Total Start Up Costs	\$428,060
2012-13 Year 2 Costs	
Professional Development	\$600
Materials & Supplies	\$400
College Staff	\$47,380
Tutoring / College Prep Staff	\$10,109
Textbooks	\$26,250
GC Pass Grant Funds	-\$13,500
Total Year 2 Costs	\$71,239
2013-14 Year 3 Costs	
Professional Development	\$600
Materials & Supplies	\$400
College Staff	\$86,480
Tutoring / College Prep Staff	\$10,109
Textbooks	\$36,750
GC Pass Grant Funds	-\$13,500
Total Year 3 Costs	\$120,839
2015-15 Year 4 Costs	
Professional Development	\$600
Materials & Supplies	\$400
College Staff	\$88,020
Tutoring / College Prep Staff	\$10,109
Textbooks	\$45,375
GC Pass Grant Funds	-\$13,500
Total Year 4 Costs	\$131,004