



A PLACE FOR LEARNING

907 Billy Mitchell Blvd. • San Antonio, TX 78226 • (210) 362-7800 • www.portsanantonio.us/education-partners

Local world-class institutions are strengthening talent while inspiring our future innovators.



A HUB FOR INNOVATION

Tech Port Center + Arena – the Port’s state-of-the art innovation center – is a unique platform that is connecting the San Antonio community, educators and the tech industry. It is accessible by regional schools and is able to accommodate well over 100,000 students per year.



Tech Port Center + Arena.

The innovation center serves as the home of the San Antonio Museum of Science and Technology (SAMSAT) and also includes a large capacity technology arena, a state-of-the-art collaborative technology transfer workshop and an industry showroom to develop and highlight locally-created innovations and market them to the world.

PREPARING THE NEXT GENERATION: STEM EDUCATION

The Port is a growing hub for regional science, technology, engineering and mathematics (STEM)-based education.

THE SAN ANTONIO MUSEUM OF SCIENCE AND TECHNOLOGY (SAMSAT)

The Port is home to SAMSAT, a non-profit organization that delivers STEM-based educational programs to students in partnership with area educators. SAMSAT offers classroom learning, camps and demonstrations that build innovative minds through the exploration of STEM areas.



Students participating in a STEM activity at SAMSAT.

Thousands of students have participated in free activities at SAMSAT that include classes focused on cybersecurity, aerospace, architecture, telecommunications and other scientific fields.

The organization also offers two maker spaces that enable students to develop and test their creations: one located at SAMSAT and the mobile Geekbus, which travels to schools and other locales to provide offsite STEM educational experiences.

Along with San Antonio-area school districts, museum partners include the following:



Visit www.samsat.org for more information.

WEX FOUNDATION



WEX Foundation supports the growth of STEM education with a theme of space exploration. Through partnerships with both SAMSAT and NASA, the organization delivers enriching learning experiences such as high-altitude weather balloon launches, geology-based field trips and the *New Worlds Await You* program.

WEX Foundation prepares the nation's next generation of scientist, engineers, mathematicians and technologists while improving STEM teaching in schools traditionally underrepresented in institutions of higher education.

Learn more at www.wexfoundation.org.



WEX Foundation's programs, such as STEM-based robotics events, inspire students to connect with advanced technology fields that are thriving at Port San Antonio.



High altitude weather balloon launch designed by area students and sponsored by WEX Foundation.

DEE HOWARD FOUNDATION

The Dee Howard Foundation preserves the rich history of aviation in San Antonio and expanding on that history for current and future generations.

The foundation helps provide access to aviation education, technical skills training and employment opportunities in the San Antonio region. It is comprised of several advisory councils, including the Education Advisory Council that represents area institutions offering courses, certificates and degrees related to aerospace. Learn more at www.deehoward.org.



OUR NEIGHBORS

The Port has developed a strategic partnership with the Edgewood and South San Antonio independent school districts that is preparing students for rewarding careers.

The two districts that straddle the Port campus have launched numerous STEM-based initiatives and, along with schools throughout the region, participate in several programs developed by SAMSAT and its partners.

Through the Port's summer internship program, students from the two school districts spend six weeks acquiring new skills that support the organization's mission of attracting and growing major global industries.



Board Chair Chris Alderete (back row, center) with the first cohort of Port San Antonio summer interns in 2019.

Learn more:

Edgewood ISD: www.eisd.net

South San Antonio ISD: www.southsanisd.net



Brentwood STEAM School of Innovation grand opening, 2019.



COMPASS ROSE

A tuition-free, STEM-based public charter school, Compass Rose serves San Antonio-area students in grades Pre-K through 10.

The school offers curricula and special programs connected with industries that are thriving at the Port, including aerospace, cybersecurity, robotics, IT and several applied technologies – equipping students with a strong foundation that will empower them to pursue high-tech careers. Learn more at www.compassrosepublicschools.org.



CAST SCHOOLS

The Centers for Applied Science and Technology (CAST) is a network of tuition-free, industry-led, career-themed high schools in San Antonio. CAST’s innovative model allows students to gain real world experience through internship, job shadowing and mentorship opportunities and is among the first of its kind.

Each CAST school focuses on a set of high-demand, high-wage industries. Students choose a school based on career interest, setting personal goals and mastering learning concepts at their own pace. Students tackle real-world projects designed by local employers and work in teams alongside industry mentors. Learn more at www.castschools.com.

PROFESSIONAL TRAINING AND CERTIFICATION

With its suite of training capabilities, the Port is a vital resource for strengthening San Antonio’s workforce. Accreditations and certifications are available to help professionals bolster their careers and assist students in maximizing their employment opportunities upon graduation.

SAMSAT EDUCATION CENTER



In partnership with the Port, SAMSAT oversees its integrated SAMSAT Education Center that, in collaboration with educational and workforce development partners, connects people with new learning and career opportunities.

The Education Center allows SAMSAT and other educators and workforce development partners to deliver array of training and placement services — helping to support the region’s education and training programs.

Among them are efforts coordinated by Workforce Solutions Alamo, with funding through the City of San Antonio and Bexar County, along with support from The Alamo Colleges District, Project Quest and SAWorks. Learn more at www.samsat.org/workforce.

IPSECURE



A San Antonio cybersecurity pioneer, IPSecure oversees a training facility at the Port that allows government- and private-sector information security professionals to earn accreditation through the State of Texas. Committed to supporting the local education system and workforce pipeline, the firm offers internship and employment opportunities to select students who successfully complete training course curricula. Learn more at www.ipsecureinc.com.

WORKFORCE PARTNERS

SA WORKS



Part of the San Antonio Economic Development Foundation (SAEDF), SA Works's workforce development mission aligns education providers with private sector demand and promotes economic mobility for thousands of people throughout the region each year. The organization's nationally-recognized efforts include innovative internship and job-shadow programs that provide hands-on experience to young people as they prepare for careers in the region's leading sectors. Learn more at www.sanantonioworks.org.



WORKFORCE SOLUTIONS

The Workforce Solutions Alamo Board (WSA) serves as the governing board for the 13-county regional workforce system which is made up of a network of service providers and contractors that connects people and jobs. WSA utilizes over \$100 million in combined funding to meet employer needs, including

through education and training for job seekers, providing business services to existing and new employers and subsidized childcare.

With its partners, WSA has access to additional funding, including jobs skills grants. Organization members represent industry, educators, economic development, labor, community organizations, and public partners. Learn more at www.workforcesolutionsalamo.org.

HIGHER EDUCATION

Our region's universities and post-secondary institutions enroll over 100,000 students each year. They include top national programs in cybersecurity, engineering, aerospace and other technologies.



Alamo Academies

www.alamoacademies.com

Nationally-acclaimed dual-credit program that provides college-level training in advanced tech areas such as cybersecurity, aerospace and advanced manufacturing.



ALAMO
COLLEGES
DISTRICT

Alamo Colleges

www.alamo.edu

Among the nation's top community college systems, provides degree and certificate programs over five campuses to grow today's top industries. Credits are transferrable to four-year universities.



Our Lady of the Lake University

www.ollusa.edu

Offers Computer Information Systems and Security degrees that prepare graduates to become leading information systems and tech professionals.



St. Mary's University

www.stmarytx.edu

Features a Computer Science and Application Systems program involving the study of digital computer hardware/software with the latest tools and technology.



Hallmark University

www.hallmarkuniversity.edu

Nonprofit university whose curricula are aligned with the needs of today's top industries.



Texas A&M University - San Antonio

www.tamusa.edu

Home to the Center for Information Technology and Cyber Security, which prepares students for cyber careers.



University of Texas - San Antonio

www.utsa.edu

Home to the top-ranked cybersecurity program in the nation.



University of the Incarnate Word

www.uiw.edu

Offers degrees in both Computer Information Systems (CIS) and Cyber Security Systems (CSEC).