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.

PORT SAN ANTONIO

A HUB FOR INNOVATION

The Port's upcoming state-of-the art innovation center will serve as a unique platform to connect the San Antonio community, educators and the tech industry. It will be accessible by regional schools and accommodate well over 100,000 students per year.

The innovation center will be the new home of the San Antonio Museum of Science and Technology (SAMSAT) and will also include a large capacity technology arena a state-of-the-art collaborative technology transfer workshop and 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.

SAMSAT MUSEUM OF SCIENCE AND TECHNOLOGY

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:

NASA

WEX FOUNDATION ADVANCING CAREERS IN SPACE

girls inc.®

Girl Scouts®

impactsa WOMEN MAKING A DIFFERENCE

ALAMO STEM ECOSYSTEM Bridging Youth, Community, & Workforce

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 school districts traditionally underserved and underrepresented in institutions of higher education. Learn more at **www.wexfoundation.org**.

DEE HOWARD FOUNDATION

The Dee Howard Foundation honors the legacy of aviation pioneer Dee Howard by preserving 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.

Learn more:

Edgewood ISD: **www.eisd.net**

South San Antonio ISD: **www.southsanisd.net**

COMPASS ROSE

A tuition-free, STEM-based public charter school, Compass Rose – which is scheduled to open during the 2020-21 academic year – will serve San Antonio-area students in kindergarten and grades 1,2 and 6.

The school will offer 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 school model allows students to learn by doing and gain real world experience through internship, job shadowing and mentorship opportunities, and is among the first of its kind in Texas.

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.

DYNAMIC ADVANCEMENT

One of San Antonio's premiere professional development firms, Dynamic Advancement offers innovative training programs to help professionals keep current with ever-changing workplace environments. Initially focused solely on providing IT/cybersecurity courses and certifications such as CISSP, CRISC, CISM, PMP and A+ Certification, the firm has since expanded its offerings to include many other business certifications – including Pearson VUE, Kryterion, CLEP and DSST.

Dynamic Advancement is the only Pearson VUE Authorized Test Center in San Antonio that offers Texas Education Agency exams, which are required for anyone wishing to pursue a career in education and become a teacher. Additionally, adult students who earn CLEP credits to apply toward a college degree are able to achieve substantial savings. Learn more at **www.dynamicadvancement.com**.

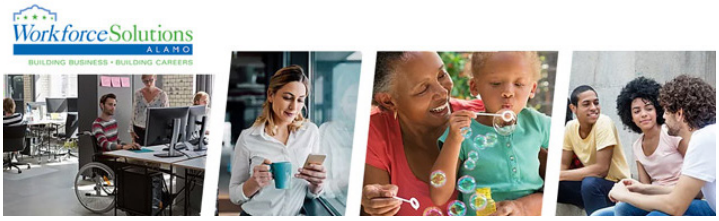
IPSECURE

One of San Antonio's cybersecurity pioneers, 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
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, which involves the study of digital computer hardware/software while employing 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).