

# ST. PHILIP'S COLLEGE CAPABILITY STATEMENT



ALAMO  
COLLEGES

ST. PHILIP'S COLLEGE

## Institutional Snapshot

St. Philip's College, founded in 1898 by St. Philip's Episcopal Church of the West Texas Diocese, began as an industrial school designed to educate and train children of former slaves during the post-slavery era. It started as a Saturday evening sewing class for young African-American girls with fewer than 20 students. Today, St. Philip's College is the only institution of higher education in the nation officially designated by the U.S. Department of Education as both a *Historically Black College* and *Hispanic Serving Institution*. For 118 years, St. Philip's has been at the forefront of education in the greater San Antonio-Bexar County area. St. Philip's is located in the San Antonio's Eastside Promise Zone and offers degrees and certificates for over 170 academic and technical training fields. Today, with annual enrollments of over 12,000 credit students, SPC has evolved from a humble beginning as an industrial school into a fully accredited two-year institution of higher education with two campuses – Martin Luther King Campus (MLK) and Southwest Campus (SWC). SPC offers courses at a number of off-site facilities and military installations.

## Mission

St. Philip's College is a comprehensive public community college whose mission is to empower our diverse student population through personal educational growth, ethical decision-making, career readiness, and community leadership. As a Historically Black College and Hispanic Serving Institution, St. Philip's College is a vital facet of the community, responding to the needs of a population rich in ethnic, cultural, and socio-economic diversity. St. Philip's College creates an environment fostering excellence in academic and technical achievement while expanding its commitment to opportunity and access.

## Research Capabilities

**Chemistry:** Working with Biofuels Production – Conversion of Sugars into Furfural and Hydroxymethylfurfural. This project will utilize various heteropolyacid catalysts for the conversion of fructose and xylose into viable alternative fuels, namely furfural, 5-hydroxymethylfurfural and their analogues.

**Physics:** Synthesis and Characterization of Neodymium Fluoride doped with Thulium Nanoparticles (NdF<sub>3</sub>:Tm<sup>3+</sup>) under the mentorship of UTSA tenured faculty. Photo responsive Polymeric Composites Utilizing UV Light Harvesting from up converting Nano platelets under the mentorship of UTSA tenured faculty. Characterization of Anti-Corrosive Ceramic Coating under the mentorship of UTSA tenured faculty.

**Biology:** MALDI-TOF Mass Spectrometry of Whole-Mounted Insects under the mentorship of UTSA tenured faculty.

## Past Performance

Four St. Philip's College students completed undergraduate research through the CIMA-LSAMP Program with University of Texas at San Antonio (UTSA) and Texas A&M University-San Antonio (TAMUSA) during the 2015 summer.

## University Corporate Structure:

Community College  
System

**DUNS:** 193085669

**Cage Code:** 1RWS9

**NAICS ID(s):**

6112/61121 /611210

**SIC:** 8222

**Federal EIN No:**

746002173

## Certificates, Registration, Accreditations:

Southern Association of  
Colleges and Schools  
Commission on Colleges

**POC:**

Dr. Adena Williams Loston,  
President

## ST. PHILIP'S COLLEGE

1801 Martin Luther King Dr.  
San Antonio, TX 78203  
210-486-2900

[www.alamo.edu/spc](http://www.alamo.edu/spc)



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Marsha P. Hall,  
Executive Assistant to President

## ST. PHILIP'S COLLEGE CAPABILITY STATEMENT

### Unique Facilities

#### Dr. William C. Davis Science Building

- 3-story facility that includes computer labs, lecture rooms and 14 laboratories (biology, chemistry and physics)
- Byrd Sanctuary – science lab offering student assistance in biology, microbiology, anatomy and physiology, chemistry, geology and physics.
- MATHWORLD – math laboratory providing tutorial support from developmental to calculus with a separate engineering lab

#### National Center of Academic Excellence in Cyber Defense

#### Center for Health Professions

- 3-story building with various classrooms, labs and simulation centers dedicated to the Health Sciences
- Frank Bryant Simulation Center (medical simulation center for nursing and allied health programs)

#### Centers of Excellence for Science and Math

- Facility includes classrooms, computer labs, multi-purpose rooms and laboratories (geology, physics, and biotechnology)
- Pre-college inquiry programs in STEM offered such as: Math and Science Camps for school-aged children, Robotics camps, and STEM Academy
- STEM teacher professional development

#### Southwest Campus

- Alternative energy program to provide return on investment on utility costs; this program is focused on wind and solar energy ( i.e. solar panels and wind turbine)
- Diesel Technology Center and lab

#### Good Samaritan Veterans Outreach and Transition Center

- Provides services to veterans transitioning from military services to mainstream employment (with an emphasis on economically or educationally disadvantaged veterans).

### Unique Lab Equipment

- Lapidary Saws
- Chemical and Biological Fuel Hoods
- High Pressure Liquid Chromatography
- Fourier Transform Infrared Spectroscopy
- Water Purification Device