

INITIATIVE BRIEF

SCHOOL OF DATA SCIENCE



Centralizing UTSA's talent and resources in data science, cybersecurity, artificial intelligence, machine learning, cloud computing, statistics and data management into one powerful new school.

OVERVIEW

UTSA's proposed School of Data Science will co-locate the university's 80-plus faculty members in computer science and engineering, cybersecurity, cloud computing, statistics and data analytics, mathematics, and artificial intelligence under one highly collaborative roof. With a new facility housing classrooms, laboratories and research space, the school will support bachelor's, master's and doctoral degrees, as well as certificate programs and other professional credential educational opportunities. A focus on connected classrooms and cutting-edge instructional technology will provide flexibility for course content delivery.

LOCATION

Downtown San Antonio

ESTIMATED SIZE

84,500 gross square feet

THE CHALLENGE

The information we derive from data fuels the innovation needed to solve society's grand challenges and better people's lives. Our nation is in dire need of a highly skilled workforce to address ever-growing data intelligence needs across a wide spectrum of fields. The economic future and well-being of San Antonio is very much tied to big data, data sciences, information management and technology, and cybersecurity.

Educating students who can generate, manage, analyze and protect information requires an interdisciplinary approach, bringing together expertise from science, engineering and business to give students the tools they need to tackle complex questions from multiple angles, and offering great promise for radical innovation.

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THE IMPACT

UTSA's School of Data Science answers the national call for a highly skilled workforce to fill growing needs in cybersecurity, data analytics, business intelligence and digital asset management. Collaboration across these distinct disciplines will foster radical innovation to address critical challenges. The school's location in the heart of San Antonio will provide government, industry and community partners with access to UTSA's nationally recognized programs and expertise. Close proximity to UTSA's National Security Collaboration Center will fuel synergies with federal agencies, and San Antonio's Tech Corridor will benefit directly from the nearby supply of intellectual talent. Over the next 10 years, expected enrollment will approximately double from the current 3,400 students.



Formal establishment of the School of Data Science is pending approval by the UT System Board of Regents and notice to the Texas Higher Education Coordinating Board.

BENEFITS TO SAN ANTONIO AND TEXAS

- » As the first of its kind in the state of Texas, the school will further solidify San Antonio's status as the largest information security hub outside of Washington, D.C.
- » UTSA's School of Data Science will produce a new generation of technically advanced workers in an emerging, in-demand field.

COMPONENTS

Majority of faculty, staff and students from:

- » Computer Science
- » Electrical and Computer Engineering
- » Management Science and Statistics
- » Information Systems & Cyber Security
- » Mathematics
- » UTSA Open Cloud Institute
- » UTSA AI Consortium
- » UTSA Institute of Cyber Security
- » UTSA Cyber Center for Security & Analytics
- » UT Health Science Center Health Analytics Institute

PARTNERSHIPS

- » Google
- » H-E-B
- » Innove
- » Microsoft
- » Southwest Research Institute
- » USAA
- » National Security Agency (NSA)
- » MITRE
- » UT Health San Antonio

PHILANTHROPIC OPPORTUNITIES

- » Endowed executive directorship
- » Endowed department chairs
- » Endowment for innovative programs
- » Endowment for school operations
- » Interior naming opportunities