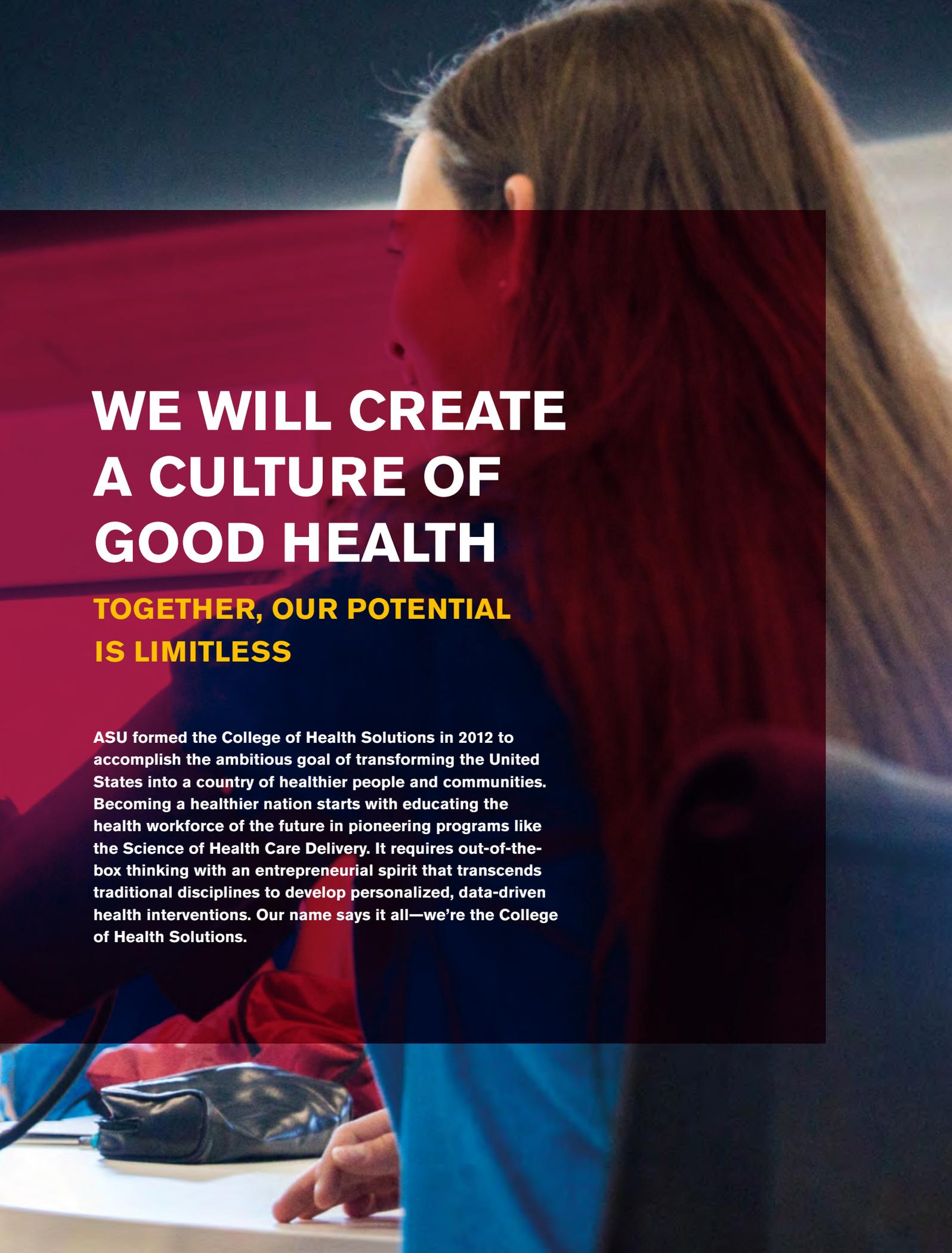


COLLEGE OF HEALTH SOLUTIONS







WE WILL CREATE A CULTURE OF GOOD HEALTH

**TOGETHER, OUR POTENTIAL
IS LIMITLESS**

ASU formed the College of Health Solutions in 2012 to accomplish the ambitious goal of transforming the United States into a country of healthier people and communities. Becoming a healthier nation starts with educating the health workforce of the future in pioneering programs like the Science of Health Care Delivery. It requires out-of-the-box thinking with an entrepreneurial spirit that transcends traditional disciplines to develop personalized, data-driven health interventions. Our name says it all—we're the College of Health Solutions.



A BOLD VISION: A HEALTHIER NATION

IN CREATING THE COLLEGE OF HEALTH SOLUTIONS (CHS), ASU HAS DRAWN A LINE IN THE SAND: WHEN IT COMES TO OUR NATION'S HEALTH, THE STATUS QUO IS UNACCEPTABLE

Approximately half of all adults in the United States have one or more chronic health conditions; meanwhile, our per-capita health expenditures are at least 50 percent higher than in the next most costly country. CHS is determined to deliver

solutions that improve our health, reduce our costs, and enhance the quality of our care.

The College of Health Solutions' mission is to promote good health, prevent and control disease, and improve health outcomes for patients and their families. To do this, we serve as a knowledge

95%

of our health dollars are spent on health care, yet health care determines only 10 percent of the health of a population.



“HEALTH CARE IS IMPORTANT, BUT WHAT MOST PEOPLE WANT IS HEALTH. EMPLOYERS WANT THEIR WORKERS TO BE HEALTHY. WE WANT TO BE HEALTHY. SCHOOLS WANT THEIR STUDENTS TO BE HEALTHY. IF WE ARE GOING TO ENHANCE THE HEALTH OF OUR POPULATION, THEN WE ARE GOING TO NEED BIG, BOLD SOLUTIONS.”

—Keith D. Lindor, Dean, College of Health Solutions

exchange and a catalyst for collaboration among health-related units across the university. We also equip students to be the health workforce that the future will demand—more innovative, more knowledgeable, and more team-based.

Our programs include those that focus on the primary determinants of our well-being, such as Nutrition and Exercise Science. This work is complemented by cutting-edge fields, including Biomedical Informatics and the Science of Health Care Delivery. CHS connects across disciplines to promote better health and well-being for people of all walks of life.

OUR DONORS' IMPACT

Philanthropic support—including the \$21 million we seek through Campaign ASU 2020—will help advance the College of Health Solutions as a 21st-century leader in health education and research, from promoting groundbreaking knowledge architecture to increasing access for students to achieve their educational dreams. Through Campaign ASU 2020, you can ensure that we are able to create new programs, educate more students, and produce use-inspired research. You can be part of our team as we work to change the status quo—and, in so doing, improve our actual health and well-being.



#1

Health Science majors, like those in the College of Health Solutions, are the top educational majors among students pursuing STEM-related degrees.



TOTAL GOAL: **\$22 MILLION**

ENSURE STUDENT ACCESS AND EXCELLENCE ***\$6 MILLION***

Our students are innovative, knowledgeable, team-based, and diverse, reflecting the population they will serve. Through philanthropic contributions, CHS can provide the scholarship support that many students need to be able to enroll. The result will be more bright, talented graduates who are prepared to meet tomorrow's health needs in ways we are only beginning to imagine.

SCHOOL FOR THE SCIENCE OF HEALTH CARE DELIVERY SCHOLARSHIPS

The mission of the School for the Science of Health Care Delivery (SHCD) is to produce health care professionals who are poised to improve patient outcomes at lower costs in a rapidly changing

health care system. Faculty experts in the areas of management, economics, policy, informatics, population health, and systems engineering guide students who work across disciplines to drive change in health. Moving several steps beyond traditional classroom settings, SHCD has partnered with Mayo Medical School to merge graduate program and medical school curricula. With a vision of moving populations away from health care toward better health, SHCD graduates students who go on to top medical schools and then directly enter the workforce at high-profile health institutions. As SHCD continues to attract students, it seeks to increase scholarship support through Campaign ASU 2020 from the \$1,000 currently available to \$100,000.

“ARIZONA STATE UNIVERSITY AND THE COLLEGE OF HEALTH SOLUTIONS ARE THE PERFECT FIT FOR ME. THERE ARE SO MANY OPPORTUNITIES AVAILABLE THAT HAVE A LARGE IMPACT ON MY STUDIES, MY ASPIRATIONS, AND, ULTIMATELY, MY FUTURE. COLLEGE IS EXPENSIVE, AND THIS SCHOLARSHIP HAS FUELED MY PASSIONS AND MY DREAMS. AND WHILE THE FINANCIAL SUPPORT IS VALUABLE, WHAT IS ARGUABLY MORE IMPORTANT IS THE AWARD'S ACKNOWLEDGMENT OF MY HARD WORK, AND THE MOTIVATION IT PROVIDES TO KEEP GOING.”

—Josephine Lamp, Biomedical Informatics '17

SCHOOL OF NUTRITION AND HEALTH PROMOTION SCHOLARSHIPS

The School of Nutrition and Health Promotion blends nutrition and dietetics academic programs with exercise sciences, medical laboratory sciences, and public health. The result is the unique ability to develop collaborative environments where faculty provide a rigorous and high-caliber education for students and exposure to research that merges basic and applied science. The outcome is a pipeline of students who are prepared to meet the high demand for health professionals in the workforce, along with research that leads to behavior changes and improved population health. With more than 3,000 students enrolled in this school, we seek to increase private scholarship support to \$200,000 annually, with an average award of \$4,000.

BIOMEDICAL INFORMATICS AND DIAGNOSTICS SCHOLARSHIPS

Through their personalized and practical applications, Biomedical Informatics (BMI) and Biomedical Diagnostics (BMD) are fields essential to the advancement of the health industry. Accounting for more than 60 percent of clinical decision making, diagnostics are key in determining diagnoses and identifying appropriate treatments. Similarly, BMI gathers and translates large amounts of data into meaningful solutions for individual patients.

Our BMD and BMI graduates impact health care delivery and discovery in such roles as public health scientists, information technology analysts, and software developers. To support the increasing enrollment of students in these programs, CHS wishes to begin offering \$100,000 in scholarship support annually, with an average award of \$5,000 per student.

CHAMPION STUDENT SUCCESS **\$1 MILLION**

We strive to promote student success by creating a stimulating atmosphere that fosters global involvement, community service, creative expression, and personal growth far beyond the classroom.

SCHOOL FOR THE SCIENCE OF HEALTH CARE DELIVERY THOUGHT SERIES SUMMIT

The Science of Health Care Delivery program aims to establish an annual Thought Series Summit to address critical topics facing the health sector, such as end-of-life care, resiliency in the workforce, and improvement of team-based care. In the spring of 2017, approximately 25 of the nation's premier payment-reform thought leaders will descend upon ASU for the first summit. This event, which will be held in partnership with Mayo Clinic, will engage faculty, students, and the community and inform the school's payment-reform education and research priorities. We seek funding to continue this important event each year.

INTEGRATED HEALTH CARE CONFERENCE

Our students in the online Doctor of Behavioral Health (DBH) program are based across the

country and work in a variety of health care settings, but they are united by a singular goal: to develop innovative and effective solutions that integrate behavioral health into primary care and other medical settings. The Integrated Health Care Conference is the only annual opportunity to bring these students into the same room to promote engagement with faculty, each other, and the field's most prominent researchers. We seek funding to increase the profile of this conference and to ensure that it helps our students engage and thrive in the DBH program.

SUMMER HEALTH INSTITUTE

The college seeks philanthropic investments to operate its Summer Health Institute (SHI). SHI provides incoming high school seniors interested in health careers with the opportunity to experience a one-week immersive educational experience that inspires their future—and our future health care professionals. Students spend time in simulated clinical settings, interact with health professionals, and get a unique look inside Phoenix's health care facilities. SHI connects aspirational students to one-of-a-kind experiences that foster their learning and passion for the health sector.

STUDENT RELIEF FUND

The college has encountered numerous students facing dire financial circumstances that limit their ability to remain, or to be successful, in school. We seek philanthropic investments toward a student relief fund to provide temporary support that could mean the difference between a student's withdrawing from school and earning a degree.





JULIE LISS IMPROVING PATIENTS' CONNECTION TO THE WORLD

Speech science typically focuses on improving a patient's speech. Julie Liss focuses her research on what makes speech difficult for the listener to understand. Is a Parkinson's disease patient's speech rushed and mumbled? Is an ALS patient's speech too slow to understand?

"We found some interesting patterns and were able to develop a model of intelligibility that took the listener into account," says Liss, a speech and hearing sciences professor and an associate dean at the College of Health Solutions. This led to the development of software that automatically analyzes a patient's speech and gives objective measures for improvement. The next goal, through her start-up company Aural Analytics, is to extend

the reach of this technology to other groups of people who struggle with their speech, including English-language learners.

"We're confident that this is going to change lives," Liss says. "Speech is truly your connection to the world. When you lose that, it's devastating. You lose your humanity!"

The professor credits the ASU environment for supporting innovative ventures like hers. "I realized that the only way to get my research into the clinical world in a meaningful way was to be entrepreneurial," she says. "I needed to build something that would help people. That was a huge mind shift that could only happen at ASU."



ELEVATE THE ACADEMIC ENTERPRISE ***\$4 MILLION***

By building the strength of our faculty, we ensure that College of Health Solutions students study with the finest teachers and researchers. This key priority is underscored by the fact that there currently are no endowed faculty positions in the college.



ENDOWED FACULTY POSITIONS

As with scholarship support, all academic programs would benefit from endowed faculty positions that help us attract and retain the best teachers and researchers. In addition, the funding that accompanies an endowed position gives faculty greater opportunities to advance their research and opportunities for their students. We seek to establish three additional endowed faculty positions ranging from \$1 million to \$2 million each. In particular, the School for the Science of Health Care Delivery and the School of Nutrition and Health Promotion would benefit from endowed faculty support.

ERIC HEKLER A HEALTH APP THAT ADAPTS



Eric Hekler's work targets a well-known problem: We are all different, and we all need different solutions. An assistant professor of nutrition and health promotion and director of the Designing Health Lab @ ASU, he and his associates are working to change the scientific process to make behavioral interventions personalized and precise for each individual. For example, he and his associates are developing an app that takes into account a person's actions and preferences plus outside influences, such as weather. The app then adapts strategies accordingly, such as by raising the goal number of steps on a warm, sunny day. "The system is constantly learning about you as a person," he explains. "It is constantly changing its approach to helping you based on how you respond and what you want to achieve."

FUEL DISCOVERY, CREATIVITY, AND INNOVATION ***\$10 MILLION***

In the College of Health Solutions, students and faculty members come together within and across disciplines to pioneer new frontiers of knowledge and provide solutions to global challenges.

CENTER FOR DIGITAL HEALTH SOLUTIONS

With the proliferation of new digital health technologies, such as wearable devices, in-home sensors, and remote clinical monitoring, we have access to more data than ever before. However, we need new methods of converting raw data into usable knowledge to place firmly in the hands of patients and clinicians.

CHS aims to establish the Center for Digital Health Solutions to pioneer the translation of data into useful clinical actions. The potential for more immediate responses can improve clinical outcomes, enable greater home care, inform and empower patients to become part of their own health solutions, and provide tools for clinicians to work with patients for better

outcomes at dramatically lower costs. Philanthropic support will enable students and researchers to produce evidence, prototype new solutions, and develop a new knowledge architecture platform that will fuel this sweeping transformation in health care.

MOTOR-SPEECH LABORATORY

Motor-speech disorders result from neurological damage that affects control of speech muscles or speech movements. Individuals who have had a stroke; suffer from ALS, Parkinson's disease, cerebral palsy, or Down syndrome; or have endured traumatic brain or spinal-cord injury all face challenges with motor control of speech. Experts in the Department of Speech and Hearing Science seek to establish a motor-speech laboratory to help patients relearn movement patterns for speech production. Philanthropic support will enable the department to purchase necessary equipment, retrofit existing space, and set patients on a path toward improved speech and enhanced quality of life.





ENRICH OUR COMMUNITIES **\$1 MILLION**

The College of Health Solutions is actively involved in engaging with the communities we serve through strategic partnerships that improve the health of those communities.

CAMP CRAVE

In Camp Crave, children in grades 4–6 are invited to attend a hands-on day camp that combines food, fun, and fitness. Each day includes fitness activities to get campers energized and excited to learn about nutrition and food culture. In addition, participants experience unique foods and try out their cooking skills in a real kitchen atmosphere while making healthy meals using the information they learn. The college seeks funding to purchase a mobile van that would enable us to take Camp Crave on the road and generate a greater impact.

SPEECH AND HEARING CLINICS

The college's speech and hearing clinics provide high-quality professional services to individuals of all ages. The clinics also serve as training and research facilities for undergraduate and graduate programs in audiology and speech-language pathology. Increased support will allow us to purchase much-needed equipment and provide financial assistance to participants, many of whom have suffered brain injuries that make employment difficult. We also seek to open a satellite clinic on the West Campus to reach out to patients there and expand services beyond what Tempe space and parking restrictions allow. Finally, we would like to increase support for the Hearing for Humanity program, which takes Doctor of Audiology students across the globe to provide humanitarian audiological services for 5 weeks.



JOIN US IN TACKLING OUR BIGGEST HEALTH PROBLEMS

With skyrocketing health care costs, more people entering the system, a rise in chronic diseases, and an aging population, we need to change the paradigm to focus on promoting health and delivering health care in new ways. The College of Health Solutions is addressing what most people want: to be healthy.

Whether you choose to support scholarships and fellowships, faculty positions and research, or innovative ideas, know that you are expressing your values and passions in one of the most powerful ways possible. There has never been a greater opportunity for you to make a difference. An investment in the College of Health Solutions through Campaign ASU

2020 is an investment in the health of our nation, our state, and our loved ones. ***Join us.***





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News



With your generous support, Arizona State University has reinvented the public research university. We are both more inclusive and more accomplished than ever, with ASU students and faculty earning unprecedented levels of recognition for their achievements. Our graduates leave here as master learners who are capable of rising to meet any new and unfamiliar challenge. ASU students, faculty, and graduates also are firmly rooted in their communities and committed to advancing the common good. Together, we have created a model for other universities to follow. Your support during Campaign ASU 2020 will help us break more new ground by raising \$1.5 billion to propel our vision for higher education into the next decade and beyond.

ARIZONA STATE UNIVERSITY is a comprehensive public research university, measured not by whom we exclude, but rather by whom we include and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural, and overall health of the communities it serves.



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