



# JACOBS SCHOOL OF ENGINEERING

BUILDING THE DIGITAL FUTURE

**We take an unconventional approach to educating tomorrow's technology leaders.** The Jacobs School of Engineering trains more aspiring engineers than any other California university – more than 2,400 graduates enter the workforce each year – with an emphasis on innovation and instructional excellence. Our world-class faculty, staff and students are catalyzing solutions in six departments: bioengineering, computer science and engineering, electrical and computer engineering, mechanical and aerospace engineering, nanoengineering and structural engineering.

**Our epic vision is engineering for a digital future.** In the coming decades, no sphere of human activity will be untouched by cascading changes in digital technology, so as we nourish the creativity and inquisitiveness of our students, we reinforce basic engineering education and student support, emphasizing hands-on, immersive experiences. We supply the collaborative, innovative environments, both real and intangible, required for research to beget breakthroughs. And we break down disciplinary boundaries as we work together to solve our globe's greatest challenges.

**Trailblazing ahead of rapid change means investing in opportunities** to develop our infrastructure. The Jacobs School seeks support for our pioneering people and programs; to fund a physical space for our expanding research, institutes and centers; and to steer our start-up culture into a new era of digital discovery.

## 5TH IN THE NATION

Among public engineering schools  
*(U.S. News & World Report)*

## 6,000+

Undergraduate students

## 2,800+

Masters and doctoral students

## 3RD IN THE NATION

For biomedical/bioengineering  
*(U.S. News & World Report  
ranking of graduate schools)*

## 1ST

Jacobs School of Engineering  
is home to the world's first and  
largest outdoor earthquake  
simulator, known as a shake table

At UC San Diego, we believe that what we don't know today will forever change our tomorrows. Empowered by generosity and fueled by curiosity, we are unafraid to chase the unknown – to ask the questions no one has asked before and to push the boundaries of possibility. Together, we unite diverse people and unconventional perspectives to propel limitless impact. Because we know that when we come together, nothing is beyond us.

**UC San Diego**



Together with your philanthropic support, we can continue — and increase — our incredible velocity as an engineering powerhouse.

[Learn more at giving.ucsd.edu.](https://giving.ucsd.edu)

# JACOBS SCHOOL OF ENGINEERING PRIORITIES

## STUDENT SUPPORT AND SUCCESS

- » New **scholarships** fund undergraduate student recruitment, support and internships.
- » **Fellowships** fuel research and learning. Attracting and retaining the best graduate students is instrumental to academic inquiry, mentorship and our vibrant curriculum.
- » Our **Experience Engineering – E4 Initiative** ensures all undergraduates have the opportunity to participate in hands-on project courses that bridge engineering principles and real-world contexts.
- » The **IDEA (Inclusion, Diversity, Excellence and Advancement) Center** provides enhancement resources such as workshops and study groups to support success and development for students from a wide range of backgrounds at the Jacobs School.

## OUR CAMPUS AND COMMUNITY

- » **Franklin Antonio Hall** is a new collaborative engineering building designed around research “collaboratories” that facilitate interdisciplinary research, active learning and innovation transfer related to grand-challenge research.
- » **Research funding and equipment** will support the endeavors of postdoctoral fellows and scientists.
- » **Endowed chairs** honor exceptional faculty members and support their current and future work.

## RESEARCH AND INNOVATION

- » **Operations** funding for collaborative projects will include community outreach, intra- and inter-institutional forums, and support for funding and administration.
- » **New faculty start-up funds** will provide a bridge from the earliest years of a faculty member’s career to the grant-earning success that is the hallmark of seasoned labs.