



# THIS IS YOUR UNIVERSITY

**CSUDH**

CALIFORNIA STATE UNIVERSITY  
DOMINGUEZ HILLS


# THIS IS YOUR FUTURE



With a dynamic vision for 21st century STEM<sup>1</sup> learning, California State University Dominguez Hills (CSUDH) is breaking ground on a bold, new Science and Innovation Building.

The impact of this state-of-the-art facility will resonate across the region and beyond as the next generation of STEM leaders creates innovative solutions for our future.





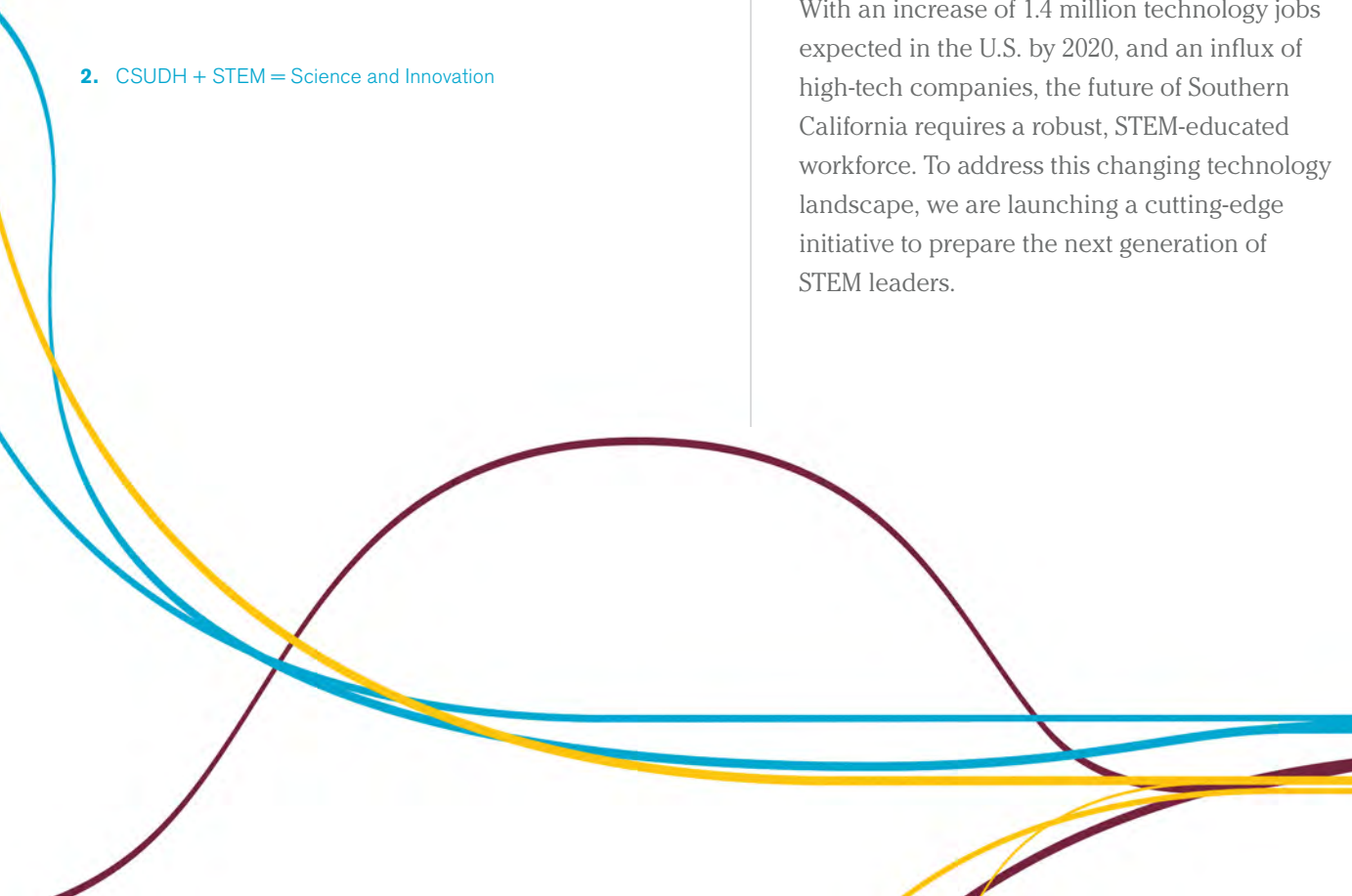
“This new building, with its high-tech labs and collaboration spaces, will make CSUDH the #1 choice for students who want to major in the sciences.”

**JOSELYN YAMAMOTO**

*CSUDH Biology student*



# EQUATION FOR SUCCESS<sup>2</sup>



2. CSUDH + STEM = Science and Innovation

## YOUR UNIVERSITY

CSUDH has been standing strong as a model urban university in the Los Angeles South Bay region and the nation for over five decades. Our social mission as a public university strengthens this community through education, intellectual capital, and workforce development. CSUDH is uniquely positioned to make a lasting impact across the city, the state, and the world.<sup>3</sup>

## YOUR STEM LEADER




With an increase of 1.4 million technology jobs expected in the U.S. by 2020, and an influx of high-tech companies, the future of Southern California requires a robust, STEM-educated workforce. To address this changing technology landscape, we are launching a cutting-edge initiative to prepare the next generation of STEM leaders.

## YOUR SCIENCE AND INNOVATION BUILDING

We are proud to announce plans for a new state-of-the-art Science and Innovation Building. With a lead gift of \$4 million from the Toyota USA Foundation, we need to raise \$11 million dollars to make this dream real and propel the region forward.

*This is your university.  
This is your moment to give.  
This is your moment to make an impact.*

## 3. Uniquely Positioned

-  CSUDH
-  STEM INDUSTRY
-  GREATER LOS ANGELES AREA





It all begins here.

# SCIENCE AND INNOVATION BUILDING







“This will be a facility where  
real innovation is taking place  
and is impacting student lives  
in a positive way.”

**DR. PHILIP LAPOLT**

*Dean, College of Natural and Behavioral Sciences*





# THE BUILDING<sup>4</sup>

## A NEW FOUNDATION FOR THE FUTURE

While the university is already a leader in promoting STEM disciplines to a diverse student population, the construction of a new Science and Innovation Building underscores a deep commitment to the community. The 91,000 sq. ft. high-tech facility will transform STEM learning in the South Bay and support innovation across greater Los Angeles.

*The Science and Innovation Building is a blueprint for the future – a STEM-focused learning laboratory unlike any other in the Cal State University System.*

4. Designed by **HGA Architects**



# THREE UNIFYING PILLARS



*The foundation of this groundbreaking building, designed by the award-winning HGA Architects, is based on three unifying pillars:*

## INNOVATION ON DISPLAY

- Custom designed transparent glass walls allow the innovation going on inside the building to impact the whole campus
- A new courtyard and other common areas stimulate student and faculty communication and collaboration

## HIGH PERFORMANCE LEARNING

- State-of-the-art teaching, research, and computing laboratories
- SMART<sup>5</sup> classrooms and study areas
- Toyota Center for Innovation in STEM Education will spark the imagination of K-16 students and educators from across the community

## FLEXIBILITY IN DESIGN

- Flexible design to maximize use as a multi-disciplinary 'living lab'
- Sustainable building and environments that meet rigorous LEED criteria
- Fabrication laboratories give students and faculty the opportunity to experiment and innovate







“We want to remove the barriers that exist for students in underrepresented areas. This will level the playing field so students from all areas can work together in project-based STEM disciplines.”

**DR. KAMAL HAMDAN**

*Annenberg Endowed Professor and  
Director, Center for Innovation in STEM Education*



# TOYOTA CENTER



*Introducing the Toyota Center for Innovation in STEM Education:*

## THE CORNERSTONE OF THE SCIENCE AND INNOVATION BUILDING<sup>6</sup>

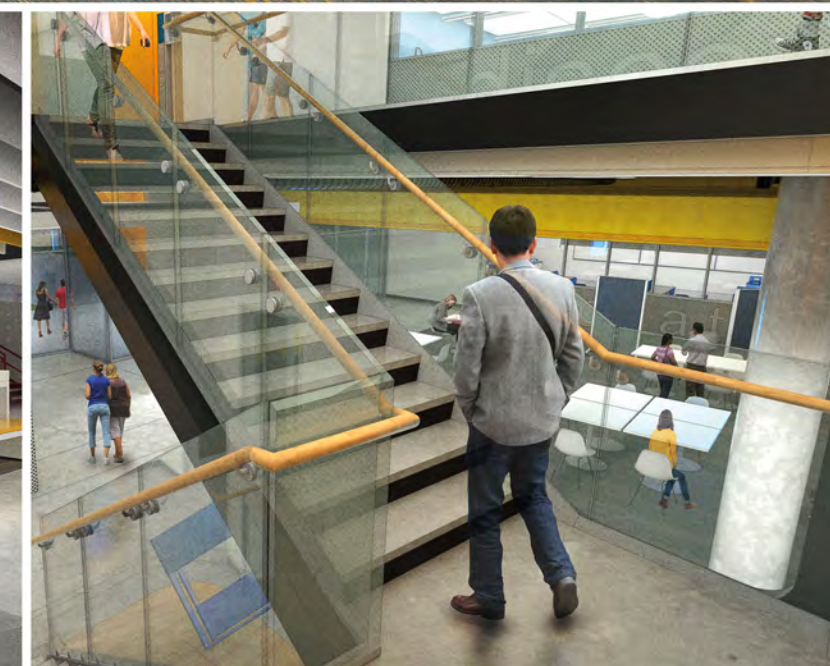
- Provides a learning laboratory with advanced technology and equipment
- Promotes collaboration between students and professors
- Features 7,000 square feet of advanced STEM learning opportunities
- Established in partnership with one of the world's most respected corporations
- Maker spaces foster experiential learning

## A NEW HOME FOR K-12 LEARNING

- Where students and teachers have access to a state-of-the-art STEM-learning facility
- Inspires K-12 students to pursue STEM disciplines
- Trains local teachers in STEM curriculum
- Creates technology career opportunities
- Develops skilled technology workforce
- Impacts community from K-12 students to graduate students to technology companies

6. "Students need opportunities where they design, analyze, build, operate, and support an idea. This allows them to be involved in each phase of a product lifestyle."

**Dr. John J. Tracy**, Class of 1976  
Chief Technology Officer & Senior Vice President (Ret.)  
The Boeing Company





# THE IMPACT



*This building fulfills the university's mission to prepare students for 21<sup>st</sup> century careers in many vital ways.*

7. "The underserved community is just brimming over with potential and capability just waiting for the opportunity. All they need is the support of those who have made it already to be the catalyst."

**Dr. John J. Tracy**, Class of 1976  
Chief Technology Officer & Senior Vice President (Ret.)  
The Boeing Company

## 1. BOOSTS OUR REGION'S ECONOMIC POWER

- Develops a skilled workforce that attracts the tech industry and benefits the community
- STEM professionals earn 26% more than others in non-STEM jobs
- By leveraging industry and community partnerships, students and faculty partner in research and innovation

## 2. DEVELOPS THE NEXT GENERATION OF STEM LEADERS

- STEM graduates are likely to continue their studies in master's and doctoral programs<sup>7</sup>
- Over a 5-year period, Toyota Center will support 8,000 college students, 5,000 K-12 students
- Small class size (28:1 ratio) leads to student success

## 3. INCREASES DIVERSITY AND PROFITABILITY

- Companies nationwide are recruiting more diverse talent as a more diverse workforce is 15% more likely to outperform a non-diverse workforce
- The university is ranked 17th among most ethnically diverse universities in the West

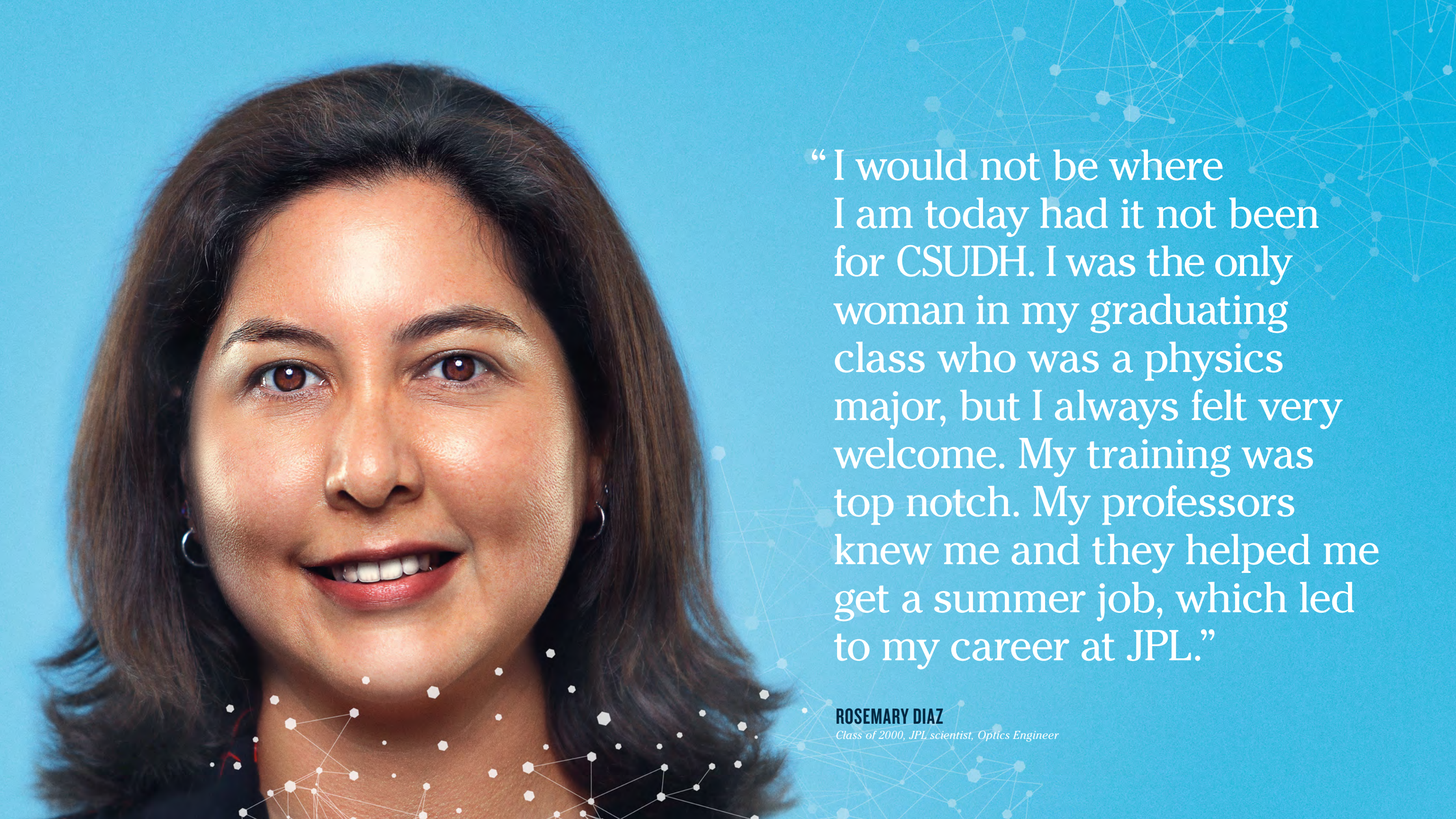
## 4. INSPIRES INNOVATION

- Toyota Center for Innovation in STEM Education will be a dynamic laboratory for exploration, learning discovery, and collaboration
- Tomorrow's STEM leaders will face great global challenges, and this training prepares them to connect and work together on an international level

## 5. BUILDS COMMUNITY

- The excitement and energy generated by this building will make STEM come alive in young minds, creating a bright future for the community
- The university's longstanding commitment to teacher training will be expanded through the Toyota Center, which improves STEM teaching across the South Bay
- Partnerships with private industry bring expertise into the classroom and give students unique opportunities to connect with local professionals
- Students are driven to make a difference in our communities and across the world



A portrait of Rosemary Diaz, a woman with dark brown hair, smiling slightly. She is wearing small hoop earrings. The background is a solid blue color with a faint, white, geometric network pattern of dots and lines. The text is overlaid on the right side of the image.

“I would not be where I am today had it not been for CSUDH. I was the only woman in my graduating class who was a physics major, but I always felt very welcome. My training was top notch. My professors knew me and they helped me get a summer job, which led to my career at JPL.”

**ROSEMARY DIAZ**

*Class of 2000, JPL scientist, Optics Engineer*



# UNIVERSITY FACTS



CSUDH is no longer the best kept secret of the South Bay. With recognition like the 2015 Governor's Award for Innovation in Higher Education, the university is known for cutting-edge educational programs, exceptional professors, engaged students, and a diverse welcoming community. The university offers a world-class education at an affordable cost across multiple disciplines preparing students to join the workforce, pursue advanced degrees, and provide our communities with precious resources for talent and leadership.

## POINTS OF DISTINCTION

- The 346-acre campus located in the heart of Southern California, is home to the StubHub Center and is surrounded by the nation's top aerospace and technology companies
- Ranked 5th among the most economically diverse universities and 17th among the most ethnically diverse universities in the West (U.S. News and World Reports)
- CSUDH is the top producer of math and science teachers in California, graduating more than 1,000 STEM teachers between 2002-2015
- In 2014, CSUDH received \$12.45 million from the U.S. Department of Education to train STEM teachers in Los Angeles
- In 2011, the Annenberg Foundation awarded CSUDH a \$1 million grant to endow a professorship in the Center for Innovation in STEM Education
- In 2014, CSUDH was the top California university conferring bachelor's degrees to African-American students
- CSUDH generates \$355 million annually in economic activity, more than \$20 million annually in state tax revenue, and sustains nearly 3,000 jobs in the region





An abstract graphic featuring a horizontal band of yellow, blue, and maroon lines. To the right, a DNA double helix structure is formed by blue and yellow lines, with several other colorful lines (yellow, blue, maroon) swirling and extending towards the right edge of the frame.

# THE FUTURE BEGINS

To inspire and train a new generation of STEM leaders, the university has broken ground on a landmark Science and Innovation Building. Join us and together we will make CSUDH the world-class university in your backyard.

*This is your future.  
This is your university.  
This is your time to lead.*





# THIS IS YOUR MOMENT

Find out how you can contribute:  
**OFFICE OF DEVELOPMENT - 310 243 2182**  
**[campaign.csudh.edu](http://campaign.csudh.edu)**



