BIOENGINEERING

24	Faculty
672	Undergraduates
253	Graduate students

- bioinformatics & genomics
- biomechanics
- biomaterials & biophotonics
- biosensors
- cardiac mechanics & cardiology
- cartilage tissue engineering
- cell mechanics
- microcirculation & microhemodynamics
- molecular bioengineering
- nanotechnology
- neuroengineering
- stem cells & regenerative medicine
- systems biology
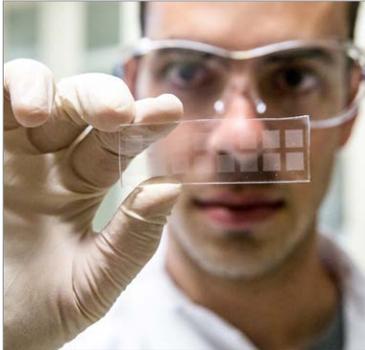
MECHANICAL & AEROSPACE ENGINEERING

45	Faculty
973	Undergraduates
359	Graduate students

- biomaterials/biomimetics
- cell and membrane mechanics
- control, estimation and optimization
- energy technologies
- environmental technologies
- hard disk drive tribology
- high-energy materials processing
- matter at extreme conditions
- medical device technology
- MEMS for extreme and biological environments
- metamaterials
- robotics, networked systems
- solid and soft matter
- turbulence, geophysical flows, macro/microfluidic flows

COMPUTER SCIENCE & ENGINEERING

51	Faculty
2,190	Undergraduates
385	Graduate students

- bioinformatics
- computer architecture
- computer science pedagogy
- databases
- embedded systems & design
- graphics and vision
- machine learning
- programming languages & compilers
- security and cryptography
- software engineering
- systems and networking
- theoretical computer science

NANOENGINEERING

|	
19	Faculty
1,040	Undergraduates
118	Graduate students

- biomedical nanotechnology
- chemical engineering
- computational materials science
- materials engineering
- nanomanufacturing and nanorobotics
- nanotechnologies for energy storage and conversion
- synthesis of advanced nanomaterials

ELECTRICAL & COMPUTER ENGINEERING

47	Faculty
1,303	Undergraduates
478	Graduate students

- bionanotechnology
- electromagnetics
- electronic circuits and systems
- embedded systems
- information technology and communications
- intelligent systems/robotics
- machine learning
- magnetic and optical storage
- medical devices and systems
- nano-electronics/nano-photonics
- network infrastructure
- photonic devices and systems
- signal/image/video processing
- systems energy engineering
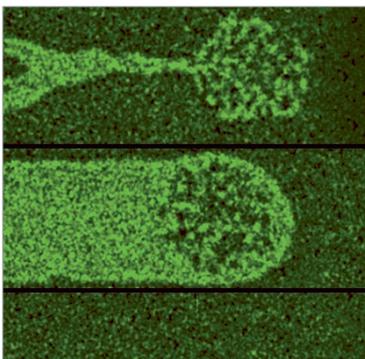
STRUCTURAL ENGINEERING

23	Faculty
671	Undergraduates
169	Graduate students

- large-scale testing research
- composite and nano-materials
- computational mechanics for extreme events damage prediction
- earthquake engineering and infrastructure renewal
- lightweight structural systems
- multi-hazard mitigation including earthquakes and blast
- risk engineering
- structural health monitoring
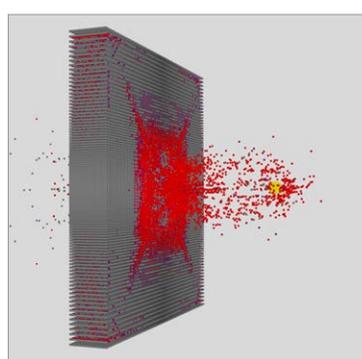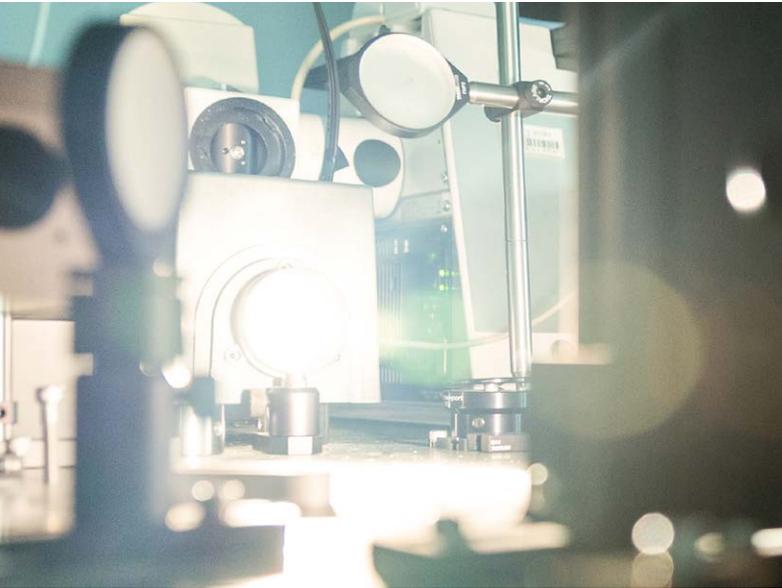
214 PROFESSORS

| 19 | New faculty hired in 2014 |
| 16-21 | New faculty to be hired in 2015 |

8,711 ENGINEERING STUDENTS

6,849	Undergraduate Students
1,015	Degrees conferred FY 2014
1,053	PhD Students
142	Degrees conferred FY 2014
809	Masters Students
429	Degrees conferred FY 2014

STRATEGIC GROWTH

With demand for our education and research programs at record levels, our values and interdisciplinary initiatives guide us.

Values

Engineering for the global good

Exponential impact through entrepreneurism

Collaboration to enrich relevance

Interdisciplinary initiatives

Contextual Robotics

Engineering and Clinical Medicine

Materials and Energy

Global Entrepreneurism

Oceans and Environment

Maker Space and Design

Global Production and Innovation

$151M IN RESEARCH FUNDING

| $102M | Government-sponsored research |
| $49M | Industry-sponsored research + income from gifts/endowments |

3 NEW RESEARCH CENTERS

Center for Wearable Sensors

Center for Extreme Events Research

Center for Sustainable Power and Energy

UC San Diego by the numbers

$1.1 Billion	Research Enterprise
5th	In the nation for NSF R&D expenditures
1,572	Faculty
24,810	Undergraduates (Fall 2014)
6,692	Graduate Students (Fall 2014)