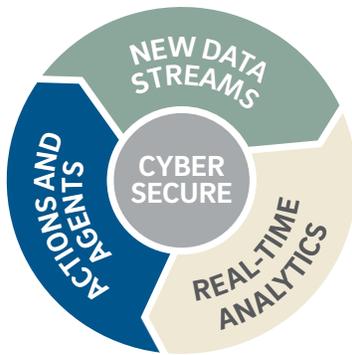


WE ARE BUILDING THE DIGITAL FUTURE IN SAN DIEGO

We are growing our faculty to 280 and broadening and strengthening our research in the areas necessary to invent the Digital Future – a future where humans and intelligent machines use real-time data to make decisions and act with speed, safety and precision.

To accommodate our growth in research and education, we are building a new kind of facility designed for innovation through academic-industry collaborations.



The Digital Future: Applications

- Context-aware robotics and autonomy
- Secure and resilient cyber and physical systems
- Low-carbon energy and transportation systems
- Cost-effective health care and public health
- Wearable sensing, diagnostics and treatments via secure 5G wireless systems

We Transfer our Innovations to Society

Research partnerships • Entrepreneurship mentoring
Commercialization accelerators • Access to capital



Medical robotics lab

228 PROFESSORS

- 13 New faculty hired in 2016
- 14-19 New faculty to be hired in 2017

\$168M IN RESEARCH FUNDING

- \$121M Government-sponsored research
- \$47M Industry-sponsored research + income from gifts/endowments

8,696 ENGINEERING STUDENTS

- 6,061 Undergraduate students
- 1,541 Bachelors degrees conferred
- 1,498 Masters students
- 555 Masters degrees conferred
- 1,137 PhD students
- 160 PhD degrees conferred

UC San Diego by the numbers

\$1.07 Billion 5th in USA	Research Enterprise For Federal R&D Expenditures
1,722 28,127 7,689	UC San Diego Faculty Undergraduates (Fall 2016) Graduate Students (Fall 2016)

ACADEMIC DEPARTMENTS

BIOENGINEERING

24 Faculty
633 Undergraduates
245 Graduate students



- autodigestion
- bioinformatics / genomics
- biomaterials / biomechanics
- cell / tissue mechanics
- biophotonics / biosensors
- cardiac mechanics
- cardiovascular engineering and imaging
- cartilage / tissue engineering
- genomic engineering
- metabolic bioengineering
- microcirculation / transfusion medicine
- molecular / cellular bioengineering
- nanotechnology
- neuroengineering
- stem cells / regenerative medicine
- systems biology
- translational bioengineering

MECHANICAL & AEROSPACE ENGINEERING

44 Faculty
1,092 Undergraduates
547 Graduate students



- biomaterials / biomimetics
- cell / membrane mechanics
- control, estimation and optimization
- energy technologies
- environmental technologies
- hard disk drive tribology
- high-energy materials processing
- materials for 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

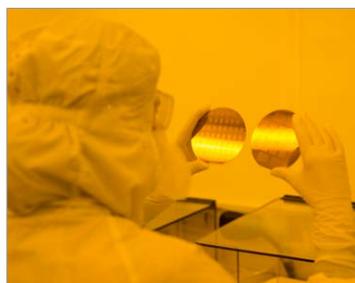
57 Faculty
1,965 Undergraduates
795 Graduate students



- bioinformatics
- computer architecture
- computer science pedagogy
- databases
- embedded systems & design
- graphics and vision
- human-computer interaction
- machine learning / artificial intelligence
- programming languages
- robotics
- security / cryptography
- software engineering
- systems and networking
- theoretical computer science

NANOENGINEERING

27 Faculty
722 Undergraduates
174 Graduate students



- advanced nanomaterials
- computational materials science
- nanobiotechnology
- nanomanufacturing
- nanomedicine
- nanophotonics
- nanorobotics
- nanosensors
- nanotechnologies for energy storage and conversion
- stretchable electronics

ELECTRICAL & COMPUTER ENGINEERING

52 Faculty
1,132 Undergraduates
673 Graduate students



- bioinformatics / bionanotech
- brain imaging / mapping
- cyber-physical sys. security
- electromagnetics
- electronic circuits and systems
- embedded systems
- info tech / communications
- intelligent systems / robotics
- machine learning
- magnetic and optical storage
- medical devices and robotics
- nanoelectronics
- network infrastructure
- neural interfaces
- photonics / nanophotonics
- signal/image/video processing
- systems energy engineering
- wearable sensors

STRUCTURAL ENGINEERING

24 Faculty
517 Undergraduates
201 Graduate students



- aerospace structures / aviation safety
- biomechanics / geomechanics
- composites / nanomaterials
- computational fluid-structure interaction analysis
- computational mechanics for extreme events damage prediction
- earthquake engineering and infrastructure renewal
- geotechnical engineering
- large-scale experimental research
- multi-hazard mitigation for earthquakes, blasts and more
- risk analysis / visualization / optimization
- structural health monitoring / nondestructive evaluation