

CALIFORNIA STATE UNIVERSITY LONG BEACH

College of Natural Sciences & Mathematics Distinctions 2022-2023

www.csulb.edu/cnsm

CSULB is a university of talented and diverse students that consistently ranks among the top public universities in the west (U.S. News & World Report) and is one of the “best value” public universities in the nation (The Princeton Review’s “America’s Best Value Colleges”). CSULB’s College of Natural Sciences & Mathematics (CNSM) offers students access to nationally renowned academic programs on a campus that is student-centered, service-oriented and globally engaged.

Prominent Rankings & Awards

CSULB’s \$105 million state-of-the-art Hall of Science is one of the most modern science complexes in the United States. It houses 29 teaching laboratories, 31 research laboratories, four lecture halls, five discipline-specific computer laboratories, three rooftop greenhouses, a rooftop astronomy observation platform, an academic and health professions advising center, a tutoring center and a science learning center.

The Molecular & Life Sciences Center is a cutting-edge teaching and research facility for chemistry, biochemistry and biological science students. The center houses 24 research laboratories, a fluorescent microscopy center, a cadaver laboratory and 19 teaching labs for anatomy and physiology, cell/molecular biology, immunology and genetics, general and organic chemistry and biochemistry.

The CNSM is a national leader in integrating undergraduate research and education. The Jensen SAS Science & Math Center is a free tutoring center for CNSM students and offers a wide range of services, programs and resources.

Dr. Chung-min Lee, a mathematics professor, worked with the team that was awarded the 2021 Ig Nobel Prize for physics for conducting research on the walking patterns of pedestrians over a four-year span.

The Biological Sciences Department offers a Stem Cell option as part of its Biotechnology Certificate program that includes internships in stem cell laboratories at the City of Hope National Medical Center, Cedars-Sinai and at UC Irvine, funded by grants from the California Institute for Regenerative Medicine. Students accepted into the program will earn a stipend.

The Keck Energy and Materials Research Program provides an interdisciplinary energy-materials science undergraduate research program.

The CNSM is recognized for its preeminent Marine Biology program and internationally renowned Shark Lab. CSULB’s Marine Biology faculty are noted for their applied research projects with undergraduates on “urban ocean” issues, such as overfishing, pollution, invasive species and wetlands habitat restoration.

For the third year, Google Inc. partnered with the Department of Physics & Astronomy to offer two full two-year Google Bridge Fellowships as part of the IGEN APS Bridge program. The Physics & Astronomy Department is one of only six nationally funded Bridge Sites of the American Physical Society.

In 2021, CSULB was awarded a \$2.5 million grant from the Keck Foundation. The grant will fund the Keck Undergraduate Research Experiences Incubator, new and upgraded equipment for CNSM labs, redesigned courses with increased undergraduate research components and mentoring opportunities.

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