We are the future of the East Bay.

The future of the region we call home depends upon finding solutions to complex scientific, technical, healthcare, and environmental challenges that not only affect individual and community quality of life, but also our region’s economic vitality. While some of the answers will emerge in the work of the nation’s preeminent research institutes, perhaps the most powerful and immediate — the technological and scientific workforce of tomorrow — is taking shape today in the classrooms of the College of Science at California State University, East Bay. Renowned for engaging students of all backgrounds in a rigorous quest for scientific knowledge balanced with the acquisition of professional skills, the college produces graduates uniquely well prepared for careers and contributions in helping meet the changing needs of our technological society.
Access to Inspiration, Excellence and Opportunity

Tomorrow’s scientific and technical leaders and workforce are today’s students at the College of Science at Cal State East Bay. Despite a remarkable diversity of backgrounds and circumstances, students at the College of Science share a distinct commonality: Intensive self-discovery, scientific exploration, and career self-definition — inspired by the interdisciplinary and highly collaborative approach to teaching, learning, and research.

The college offers a student-centric learning experience focused on such critical and high-demand fields as biotechnology, biostatistics, engineering, forensic science, nursing, and science education. The college’s faculty — recognized and respected by both the scientific and academic communities for their expertise and accomplishments — are committed educators who value student interaction. They inspire, mentor, and impart knowledge in a highly personalized learning environment that combines quality classroom and laboratory instruction with applied research and practical experience.

A high rate of student participation in faculty research, supported by advanced instrumentation in cross-disciplinary facilities, is another hallmark of the college. This research often places students on the leading edge of science, such as studies of the origin of life and testing Einstein’s Theory of Relativity with grants from NASA and NSF. Many students publish with faculty and present papers at international conferences, preparing them to enter the regional job market or qualifying them for Ph.D. and professional programs at the nation’s most prestigious graduate programs.

Private support for the College of Science at Cal State East Bay is an investment in its mission. By strengthening the college’s capacity to offer access to excellence and opportunity for all who are qualified, your support paves the way for the region’s next-generation technological and scientific workforce — and for the services and solutions our communities and region depend upon.
The College of Science at Cal State East Bay is among the region’s top educators of professionals in biotech, high tech, healthcare, and education. Our graduates provide the human capital and technical know-how required to operate, strengthen, and lead within such prominent regional employers as IBM, HP, Genentech, and Kaiser Permanente. The college’s commitment to academic excellence and opportunity produces far-reaching benefits. The result is a highly-qualified, committed, diverse, and productive workforce that responds to pressing regional needs, such as the demand for nurses and bio-technicians, or for teachers who inspire tomorrow’s scientists in middle and high schools all around the bay.

Supporting the college is a direct investment in our region’s vitality. Each year, Cal State East Bay provides access to an award-winning college experience and education for more than 12,000 students — including more than 3,000 in the College of Science. Of these, up to 700 graduates annually from the college, fully prepared for productive careers and engaged citizenship.

Of the University’s more than 90,000 graduates, roughly 85 percent live and work in the region. In addition to their contributions as skilled workers, managers, entrepreneurs, and business leaders, they contribute mightily to the regional economy with more than $1 billion of annual income attributable to their CSUEB degrees. Thus, the effects of an investment in the College of Science ripple across the entire region, affecting the lives and future of the East Bay’s 33 communities and 2.5 million residents — and beyond.
California State University, East Bay is often referred to as where all your possibilities come into view. Students aspire to the College of Science at Cal State East Bay for a technological education that is uniquely personal, professional, achievable — and accountable — to society’s needs. Professors teach at the college because they believe in the college’s commitment to balancing academic and professional pursuits, the interdisciplinary approach to teaching and research, and the highest levels of student participation.

Student fees cover only one-third of the true cost of this remarkable education. While state funds cover much of the rest, private support enables the College to go beyond outstanding science education to the extraordinary. Education in science and technology is also a costly endeavor. To stay current with scientific knowledge and responsive to societal needs requires new instrumentation, technology, and innovative interdisciplinary approaches and programs. We count on those who share our vision, values, and passion for producing responsible and innovative scientists and technologists to provide this critical margin of excellence.

Private support strengthens the college’s ability to:
- recruit and retain outstanding faculty with exceptional teaching and research skills;
- improve academic programs, research, and instructional technology;
- ensure student participation in research, authorship, and scientific endeavors;
- offer supplemental support, resources, and services to ensure student success;
- expand outreach programs and access for students of all backgrounds; and
- meet critical, changing regional workforce and human capital needs.

Supporting the College of Science is an investment in the minds, hearts, and hands of tomorrow’s workforce and citizenry. This is an investment not only in the future, but also in the realization of powerful possibilities for the students of Cal State East Bay and the region we serve.

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The College of Science at Cal State East Bay
Distinguished Science. Distinguishing Academics.

- The College of Science at Cal State East Bay provides opportunities for students to partner with faculty in conducting research resulting in their presenting and publishing research papers.

- CSUEB's Biotechnology Certificate Program — designed to place graduates in advanced positions in industry — was one of the first of its kind in the United States. The one-year curriculum is rich with hands-on laboratory training to accommodate both student and industry demand.

- Earth and Environmental Sciences, CSUEB's newest academic department, was created through the merger of geology with environmental science to help meet the demand for employees educated on environmental issues for government, consulting companies, and engineering firms.

- Cal State East Bay's Math and Computer Science Department has its own advanced CompCore Center, providing students with direct access to high performance computing and high-resolution, immersive display and interaction devices. Sun Microsystems and Juniper Networks are among the corporations providing support.

- Graduates of the Cal State East Bay Nursing and Health Sciences Department are expected to have a dominant presence in Northern California's future healthcare workforce.

- Cal State East Bay is one of the first universities in the country to have Nobel Prize winning technology — an atom-trapping and cooling apparatus — for undergraduate use in instructional laboratories of the Department of Physics.

WAYS TO SUPPORT THE COLLEGE OF SCIENCE

Gifts to the college are not only the most important — and most rewarding — gifts you may ever make, they are also tax-deductible.

Support the College of Science, and invest in its work by specifying what department or program you wish your contribution to support. Or you can give without restriction, allowing the dean, a department chair, or program director to use your gift where it is most valuable.

Gifts may be made by check, credit card, and online, either in full or in installments, based on a signed pledge. Gifts of property and securities as well as planned gifts that are part of an estate plan are also welcome.

UNIVERSITY FACTS

Campuses and Locations:
- Hayward Campus (upper and lower division)
- Concord Campus (upper division)
- Oakland Professional Development & Conference Center

Undergraduate Fields of Study: 46 Baccalaureate Degrees; 67 Minors

Undergraduate Student/Faculty Ratio: 22:1

Graduate Fields of Study: 33 Master's Degrees; Ed.D. in Educational Leadership

Graduate Student/Faculty Ratio: 18:1

Total Enrollment: 14,167

Accreditation:
Western Association of Schools and Colleges (WASC); some colleges, departments, and programs individually accredited.

Affordability:
Cal State East Bay rates high in value and affordability with among the lowest fees in the nation for comparable institutions. Visit www.csueastbay.edu/affordable for current fees.

COLLEGE PROFILE

Undergraduate Fields of Study:
19 Baccalaureate Degrees, 27 Options; 11 Minors

Graduate Fields of Study: 10 Master's Degrees; 5 Certifications

Student/Faculty Ratio: 23:1

Enrollment: 3,840

Accreditation:
- Accreditation Board of Engineering and Technology
- American Chemical Society
- California Board of Registered Nursing
- National League for Nursing Accrediting Commission

Departments:
- Biological Sciences
- Chemistry and Biochemistry
- Engineering
- Earth and Environmental Sciences
- Mathematics and Computer Science
- Nursing and Health Sciences
- Physics
- Psychology
- Statistics and Biostatistics

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