COLLEGE OF ARCHITECTURE AND ENVIRONMENTAL DESIGN

http://caed.calpoly.edu

The College of Architecture and Environmental Design (CAED) offers programs that prepare graduates to create meaningful, resilient places.

Experiential Learning

Under the guidance of expert faculty, students actively participate in hands-on project-based learning that promotes understanding of the built environment and develops the knowledge and skills needed to plan, design, construct and steward.

Interdisciplinary Learning

The college offers interdisciplinary minors, coursework and activities that explore shared areas of interest such as community resilience, real estate development, sustainable environments, earthquake-resistant design, project delivery methods, building technologies, computing technologies, and integrated design and construction.

Co-curricular Activities

Students participate in chapters of professional organizations related to all of the college's majors, and take part in college leadership through the CAED Student Council, the CAED Student Committee for Diversity and Inclusion and the CAED Ambassadors Leadership Program.

Off-campus Field trips and Programs

Cal Poly's location in Central California provides access to field trip destinations throughout the state where students study the built environment and interact with communities and experts.

Students have numerous opportunities to participate in national and international off-campus programs offered by the college ranging from field trips associated with courses to community volunteer work, to academic programs with durations ranging from one quarter to a full year. In addition to programs offered by the college, students attend study abroad programs offered by the university, the California State University System and our international exchange partners across the globe.

Internships and Careers

Students are encouraged to gain professional experience through internships that prepare them for careers. The college hosts an annual career fair for all majors and career fairs in the fields of construction and engineering serve all CAED students. The college's departments and the Cal Poly Career Center assist students with internship preparation and placements.

Facilities

The college's learning environments include design studios, galleries, the Paul and Verla Neel Resource Center, instructional laboratories equipped for testing building materials and systems, computing laboratories equipped with industry-standard hardware and software, and instructional shops where students create images, models, and prototypes using a variety of media and methods including wood, metals, photography, printing, and digital fabrication. Students build experimental structures and host the annual Design Village Competition in the nine-acre construction site known as "Poly Canyon."

Accreditation

The Master of City and Regional Planning program and each of the college's five bachelor's programs are accredited by their respective national accrediting organizations.

Recommended Preparation

In addition to pursuing CSU entrance requirements, prospective students are encouraged to engage in activities that introduce them to the college's fields of study so that they can make an informed decision about program choice. These activities may include, but are not limited to, school clubs, professional mentoring programs such as ACE, professional organizations and relevant work, internship or volunteer experience.

CAED Advising Center

Mitra Nafisi, Director, CAED Advising Center
Bldg. (05), Room 210
Phone: 805.756.1325
http://www.caed.calpoly.edu/caed-advising (http://www.caed.calpoly.edu/caed-advising/)

The college's Advising Center provides academic advising services to all students enrolled in CAED programs, in coordination with departmental faculty advisors. At the center students receive assistance related to course planning and program completion, transfer and evaluation credit and articulation, academic probation, change of major and course substitution procedures, tutoring, special academic programs, scholarships, and other campus resources.

Undergraduate Programs

- Architectural Engineering (BS) (https://catalog.calpoly.edu/architecture-environmental-design/architectural-engineering/architectural-engineering-bs/)
- Architecture (BArch) (https://catalog.calpoly.edu/architecture-environmental-design/architecture/architecture-barch/)
- City and Regional Planning (BS) (https://catalog.calpoly.edu/architecture-environmental-design/city-regional-planning/city-regional-planning-bs/)
- Construction Management (BS) (https://catalog.calpoly.edu/architecture-environmental-design/construction-management/construction-management-bs/)
- Landscape Architecture (BLA) (https://catalog.calpoly.edu/architecture-environmental-design/landscape-architecture/landscape-architecture-bla/)

Undergraduate Minors

- Architectural Engineering Minor (https://catalog.calpoly.edu/architecture-environmental-design/architectural-engineering/architectural-engineering-minor/)
- Architecture Minor (https://catalog.calpoly.edu/architecture-environmental-design/architecture/architecture-minor/)
- City and Regional Planning Minor (https://catalog.calpoly.edu/architecture-environmental-design/city-regional-planning/city-regional-planning-minor/)
- Construction Management Minor (https://catalog.calpoly.edu/architecture-environmental-design/construction-management/construction-management-minor/)
- Cross Disciplinary Studies Minor in Heavy Civil (https://catalog.calpoly.edu/architecture-environmental-design/construction-management/cross-disciplinary-studies-minor-heavy-civil/)
- Landscape Architecture Minor (https://catalog.calpoly.edu/architecture-environmental-design/landscape-architecture/landscape-architecture-minor/)
- Real Property Development Minor (https://catalog.calpoly.edu/architecture-environmental-design/construction-management/real-property-development-minor/)
- Sustainable Environments Minor (https://catalog.calpoly.edu/architecture-environmental-design/landscape-architecture/sustainable-environments-minor/)

Graduate Programs

- Architectural Engineering (MS) (https://catalog.calpoly.edu/architecture-environmental-design/architectural-engineering/architectural-engineering-ms/)
- City and Regional Planning (MCRP) (https://catalog.calpoly.edu/architecture-environmental-design/city-regional-planning/city-regional-planning-mcrp/)

EDES Courses

EDES 1123 Place, People, and the Built Environment (3 units)
Term Typically Offered: F, SP
2026-28 or later catalog: GE Area 4B
2020-26 catalogs: GE Area D2
Sustainability Focused

Introduction to design, planning, and construction of the built environment as shaped by social, political, and cultural factors. Examination of the impacts of the built environment on society, including environmental and social justice, well-being, sustainability, and formation of identity and community. Course may be offered in classroom-based, online, or hybrid format. 1 lecture, 2 discussions. Fulfills GE Area 4B (GE Area D2 for students on the 2020-26 catalogs).

EDES 3350 The Global Environment (3 units)
Term Typically Offered: F, SP
2026-28 or later: Upper-Div GE Area 2/5
2020-26 catalogs: Upper-Div GE Area B
Sustainability Focused
Prerequisite: Junior standing; completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs); completion of GE Area 2 with a grade of C- or better (GE Area B4 for the 2020-26 catalogs); and completion of GE Area 5 (GE Areas B1 to B3 for the 2020-26 catalogs).

Interdisciplinary investigation of how human activities impact the Earth's environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/economic/ historical/political perspectives. Use of remote sensing maps. Sustainable solutions. Course may be offered in classroom-based, online, or hybrid format. 3 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 3350. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350.

EDES 4406 Sustainable Environments (4 units)
Term Typically Offered: F
Prerequisite: Senior or graduate standing.

Introduction, illustration and analysis of concepts and principles of sustainability. Integration and application of knowledge of human and natural systems with environmental, social and economic concerns from a global-to-local perspective. Collaboration of interdisciplinary faculty and guest speakers/panelists. Field trip may be required. 3 lectures, 1 activity. Formerly EDES 406.

EDES 4408 Implementing Sustainability Principles (4 units)
Term Typically Offered: SP
Prerequisite: EDES 406 or EDES 4406.

A project-based course for students to collaborate with the purpose of implementing sustainability principles by developing community-based projects and proposals at various scales to address social, environmental and economic issues. 2 lectures, 2 discussions. Formerly EDES 408.