

Assistant or Associate Professor - Integrated,
Autonomous Construction and Infrastructure - Civil and
Environmental Engineering
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=261970>

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Posted Sep. 3, 2025, set to expire Oct. 6, 2025

Job Title Assistant or Associate Professor - Integrated,
Autonomous Construction and Infrastructure - Civil
and Environmental Engineering

Department Civil and Environmental Engineering

Institution University of California Berkeley
Berkeley, California

Date Posted Sep. 3, 2025

Application Deadline 10/06/2025

Position Start Date Available immediately

Job Categories Associate Professor
Assistant Professor

Academic Field(s) Ecological and Environmental
Civil Engineering

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Job Description

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**Assistant or Associate Professor - Integrated, Autonomous Construction and Infrastructure -
Civil and Environmental Engineering**

Position overview

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Position title: Assistant Professor in Civil and Environmental Engineering/Associate Professor in Civil and Environmental Engineering

Salary range: The current salary range for this position is \$107,100-\$174,700 (9-month academic year salary), however, off-scale salary and other components of pay, which would yield compensation that is higher than this range, are offered to meet competitive conditions.

Anticipated start: July 1, 2026

Application Window

Open date: August 29, 2025

Next review date: Monday, Oct 6, 2025 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Monday, Oct 6, 2025 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date.

Position description

The Department of Civil and Environmental Engineering (CEE) at the University of California, Berkeley, invites tenure-track and tenured faculty applications in the area of Integrated, Automated Construction. Preference will be given to candidates who are early career or recently tenured.

About the Department: The Department of Civil and Environmental Engineering (CEE) at UC Berkeley is a worldwide leader in developing engineering solutions to societal-scale challenges. Berkeley CEE conducts cutting-edge research in evolving and vital areas that address societal needs. Berkeley CEE establishes and advances the intellectual foundations of new fields of study. We develop theory and improve understanding, and provide tools and techniques for solving important new problems. The educational activities of Berkeley CEE focus on developing future leaders in the engineering profession, in academia, and in the broader societal context. Through individual and collective efforts, Berkeley CEE serves the needs of our College and University and provides technical expertise and service to other public, private, and professional entities.

About the Position: We seek candidates who will lead civil and environmental engineering in the area of construction integration and automation. Programmatically, this search area encompasses critical needs in CEE that relate to resiliency and sustainability. A successful candidate will also be expected to leverage the College of Engineering faculty's existing strengths in artificial intelligence, automation,

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robotics, and infrastructure.

This position prioritizes:

- Smart, Sustainable Cities and Regions
- Adaptive and Resilient Infrastructure
- Sustainable Air, Soil, Water and Energy Resources

Construction integration and automation are revolutionizing the way we design, construct, maintain, and operate aboveground and underground facilities. They enable and accelerate the delivery of a built environment that is adaptive, sustainable, and resilient. The ability to perform comprehensive modeling, system-level sensing, analysis, and optimization will promote resiliency and sustainability in a wide array of civil engineering applications. As the boundary between design, construction, and operations blurs, new approaches are needed in construction engineering and management. The area of this search includes, but is not limited to: automation of construction operations, construction robotics, artificial intelligence focused on applications in construction (such as sensing for progress tracking, planning, and predictive maintenance) and human/machine interaction, modularization, offsite production, digital twins, virtual design and construction, next-generation multi-scale systems, and digitally fabricated, reconfigurable or redeployable materials and structures.

New faculty are expected to pursue research excellence and contribute to the existing undergraduate and graduate educational program in Civil and Environmental Engineering, as well as develop new and innovative courses focused on construction. They are encouraged to collaborate with faculty throughout the Department, the College of Engineering, and the UC Berkeley Campus.

The department is committed to addressing the family needs of faculty, including dual career couples and single parents. We are also interested in candidates who have had non-traditional career paths or who have taken time off for family reasons, or who have achieved excellence in careers outside academia. For information about potential relocation to Berkeley, or career needs of accompanying partners and spouses, please visit: <http://ofew.berkeley.edu/new-faculty>

Department: <https://ce.berkeley.edu/about/overview>

College: <https://engineering.berkeley.edu/>

Department: <https://ce.berkeley.edu/>

Qualifications

Basic qualifications

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PhD (or equivalent international degree) or enrolled in a PhD (or equivalent international degree) granting program at the time of application.

Application Requirements

Document requirements

- Cover Letter
- Curriculum Vitae - Your most recently updated C.V.
- Statement of Research - Please discuss research accomplishments and proposed plans. This can include, for example, your publication record, awards, presentations, inclusive research practices that promote the excellence of your research, and areas for future research.
- Statement of Teaching - Please discuss prior teaching experience, teaching approach, and future teaching interests. This can include, for example, specific efforts and accomplishments, and future plans to support the success of all students through inclusive curriculum, classroom environment, and pedagogy. Please also discuss your mentoring experiences and approach. This can include, for example, past efforts and future plans to support the success of all students, and to foster an inclusive research environment that removes barriers and promotes equitable access and advancement of the research program.
- Statement of Service - Please discuss specific prior and proposed academic, professional and/or public service activities. This can include, for example, participating in professional or scientific associations, serving on committees that advance department, campus or discipline goals, and conducting outreach activities that can remove barriers and increase participation of academics in your field.
- Publication #1
- Publication #2
- Authorization to Release Information Form - A reference check will be completed only if you are selected as the candidate to whom the hiring unit would like to extend a formal offer. Download, complete, sign, and upload the [Authorization to Release Information form](#):

Reference requirements

- 3 required (contact information only)

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References will only be contacted for those candidates under serious consideration and we will seek your permission before doing so.

Apply link: <https://aprecruit.berkeley.edu/JPF05102>

Help contact: jobs@ce.berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service, consistent with [UC Regents Policy 4400](#) and University of California Academic Personnel policy ([APM 210 1-d](#)). These values are embedded in our [Principles of Community](#), which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

The University of California, Berkeley is an Equal Opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

For more information, please refer to the [University of California's Affirmative Action and Nondiscrimination in Employment Policy](#) and the [University of California's Anti-Discrimination Policy](#).

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the [UC Berkeley statement of confidentiality](#) prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

The University of California is committed to creating and maintaining a community dedicated to the advancement, application, and transmission of knowledge and creative endeavors through academic excellence, where all individuals who participate in University programs and activities can work and learn together in a safe and secure environment, free of violence, harassment, or discrimination. Consistent with this commitment, UC Berkeley requires all applicants for Senate faculty positions to

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complete, sign, and upload an Authorization of Information Release form into AP Recruit as part of their application. If an applicant does not include the signed authorization, the application will be considered incomplete, and as with any incomplete application, will not receive further consideration. Although all applicants for faculty recruitments must complete the entire application, applicants will only be subject to institutional reference checks if and when they are selected as the candidate to whom the hiring unit would like to extend a formal offer. More information is available on [this website](#).

As a condition of employment, the finalist will be required to disclose if they are subject to any **final** administrative or judicial decisions within the last seven years determining that they committed any misconduct.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment or discrimination, as defined by the employer.
- [UC Sexual Violence and Sexual Harassment Policy](#)
- [UC Anti-Discrimination Policy](#)
- [APM - 035: Affirmative Action and Nondiscrimination in Employment](#)

Job location

Berkeley, Ca

To apply, visit <https://aprecruit.berkeley.edu/JPF05102>

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

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