

Teaching Professor in Integrated Environmental Systems
for Building Performance & Design
Carnegie Mellon University

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Posted Nov. 12, 2025, set to expire Mar. 14, 2026

Job Title	Teaching Professor in Integrated Environmental Systems for Building Performance & Design
Department	School of Architecture
Institution	Carnegie Mellon University Pittsburgh, Pennsylvania
Date Posted	Nov. 12, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Prof of Practice/Clinical Prof
Academic Field(s)	Architecture/Landscape Architecture
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Job Description	

The School of Architecture at Carnegie Mellon University (CM–A) invites applications for a teaching-track faculty position at the rank of Assistant or Associate Teaching Professor.

This position will support key areas of the CM–A curriculum relative to: the integration of active and passive building systems in design; building performance modeling; regenerative approaches to environmental systems engineering; evidence-based approaches to regenerative and high-performance design; context-specific responsiveness; and performance measurement, evaluation and rating systems. The ideal candidate will combine technical expertise in next-generation mechanical, energy, and electrical systems with holistic architectural thinking. They should be adept at using both industry standards and innovative approaches to environmental performance simulation to inform design decisions.

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Responsibilities

This position focuses on integrating advanced building systems and technologies to improve building performance, enhance IEQ, and promote resilience.

Teaching: The successful candidate should demonstrate the ability to communicate complex environmental and mechanical systems concepts to architecture students and to support design integration across all scales of the built environment. The candidate should also bring expertise in building performance simulation and global environmental rating systems, ideally with accomplishments in practice or research. The candidate may be engaged to teach coursework as appropriate to their specializations across the school's programs, including the B.Arch, M.Arch, Master of Science, and doctoral programs. The position may also involve contributing to or co-teaching design integration studios where building systems and environmental performance are synthesized through architectural design projects.

Carnegie Mellon's Teaching Track is a non-tenure faculty path focused on teaching and curriculum development, offering a career-oriented, renewable, fixed-term position with opportunities for promotion through assistant, associate and full Teaching Professor ranks. The primary responsibilities of this track focus on teaching and instructional activities, allowing faculty to engage in research and leadership roles without the pressure of a tenure clock. These positions provide job security and academic freedom through fixed-term appointments with opportunities for reappointment and promotion.

Background in Academia, Research and/or Practice: We welcome candidates with a background in practice, academia and/or research. Candidates with expertise in the curricular areas described above, as well as candidates whose practice or research has focused on innovations in high-performance design and engineering, performance simulation, low-energy buildings and building systems, dynamic facades, and other related areas, are encouraged to apply. Inherently interdisciplinary, the position offers opportunities for collaboration with colleagues from across CM-A's three focus areas — building performance, urbanism and computation — and with colleagues from across the Carnegie Mellon University (CMU) campus. Current research at CM-A includes high-performance buildings, next-generation lighting and daylighting, IEQ, innovative facade systems, regenerative materials, life-cycle of building systems, and ecologically regenerative design.

Service & Mentoring: Beyond teaching, the candidate will be expected to provide academic and professional advising support for the M.S. and Ph.D. in Building Performance & Diagnostics (MSBPD and PhD-BPD), the M.S. in Regenerative and Sustainable Design (MSRSD), and the M.S. in

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Architecture–Engineering–Construction Management (MSAECM) programs. Additional service responsibilities to the school and university will be determined annually by the head of school. Service to academic and professional organizations will be at the discretion of the candidate.

About the School and Pittsburgh

Carnegie Mellon, home to 10 colleges, is a top-tier, internationally recognized research university that ranks among the world's most renowned educational institutions. Carnegie Mellon Architecture is one of the United States' top-ranked architecture programs, with a student body totaling 450 undergraduate and graduate students. It is situated within Carnegie Mellon's College of Fine Arts, alongside the Schools of Art, Design, Drama and Music. Embedded within one of the world's foremost technical research institutions, the school offers a wide range of transdisciplinary educational and research opportunities, intensified by a university culture of research excellence, interdisciplinary exploration, and creative inquiry. The three graduate research focus areas within the school contribute to its mission of cultivating architectural and design excellence through rigorous training in fundamentals and the development of unique, multidisciplinary expertise that draws from engineering, the sciences, and the humanities. More information about the Carnegie Mellon Architecture can be found on our website at architecture.cmu.edu.

CMU is located in Pittsburgh, Pennsylvania, home to universities and world-class healthcare, arts, and cultural institutions. Pittsburgh has become increasingly recognized as a hub of tech-based business and livability.

Salary at CMU will be based on education, experience and relevant skills, as well as the discipline of the home school. Faculty pay ranges are for 9 months' salary unless otherwise specified.

Qualifications

It is anticipated that candidates will demonstrate qualifications relative to the following:

- Educational combinations of B.Arch, M.Arch, M.S. or Ph.D. in architecture, mechanical or architectural engineering, with a portfolio of professional work or published work related to innovative environmental systems.
- Demonstrated expertise in active system design and integration.

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- Demonstrated expertise in building performance modeling.
- Capability to teach “Design Integration of Active Building Systems” to B.Arch, M.Arch, and M.S./Ph.D. students.
- Capability to teach coursework and provide technical support to undergraduate and graduate students for energy modeling and other performance simulation techniques.
- Capability to teach coursework and/or advise students on holistic approaches to building performance, performance evaluation, and environmental rating systems such as LEED, Living Building, Passive House, etc.
- Two or more years of professional experience. Preference will be given to those with a professional license in architecture or engineering.

Carnegie Mellon encourages applicants who will contribute through their research, teaching and service. Carnegie Mellon seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

Application Instructions

To apply, complete the online application form at <https://apply.interfolio.com/176286> and submit the following materials:

- A cover letter explaining your interest in the position and offering an overview of your relevant experience.
- Curriculum vitae (CV)
- Teaching statement and statement about how you will advance student success.
- Portfolio of professional and/or academic work. Please clearly describe your role/responsibility in the work. (max 25 MB)
- Contact information for three references, including name, position, employer, email address, and phone number.

Interested applicants are encouraged to apply by December 15, 2025 for full consideration. Applications will be accepted until the position is filled.

Equal Employment Opportunity Statement

Carnegie Mellon University is an equal opportunity employer. It does not discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex, disability, age, sexual orientation, gender identity, pregnancy or related condition, family status, marital status, parental status, religion, ancestry, veteran status, or genetic information. Furthermore, Carnegie Mellon University does not discriminate and is required not to discriminate in violation of

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federal, state, or local laws or executive orders.

Contact Information

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

Contact

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