



**2022-2023 Drexel Engineering Faculty Cluster Hiring Initiative
Seeking Candidates for the Department of Civil, Architectural and Environmental Engineering**

The [Department of Civil, Architectural, and Environmental Engineering](#) at Drexel University welcomes applications for a tenure-track assistant professor position with research and teaching expertise at the intersections of water resources engineering, geotechnical engineering, sustainability, and climate change to build a dynamic and exciting interdisciplinary research program across academic units within the college as well as other schools and colleges throughout Drexel University. This position is part of a cluster hire in the College of Engineering. Aligned with the [Drexel University 2030 strategic plan](#), the College of Engineering's cluster hire aims at strengthening Drexel's identified areas of excellence. We are specifically searching for candidates under the cluster hire themes of **Smart, Integrated Cities**, and/or **Energy and Sustainability**, with expertise in sustainable and/or nature-based approaches to climate change resilience and adaptation in the above research areas.

The successful candidate will be expected to further our educational mission by teaching select courses in the concentrations of water resources, hydraulics, geotechnical engineering, and/or geographic information systems at undergraduate and graduate levels. We invite applications from high-caliber candidates to build an innovative research program that will bring new insights and solutions to climate change adaptation planning, for instance in: water resources systems; hydraulic engineering; flood control and water hazard mitigation; river, coastal, and marine geotechnics; coastal and/or river erosion and sediment control; groundwater utilization; scour hazard mitigation for infrastructure resilience; stream ecology and ecohydraulics; and hydroclimatology.

Qualifications

The applicant must have a PhD in civil, hydraulic or hydrologic, water resources, geotechnical engineering, or closely related engineering field by the September 1, 2024 start date. Candidates must have a demonstrated record of and commitment to scholarly achievement and excellence. A professional engineering license, or plan to obtain one, is desirable but not required.

Department of Civil, Architectural and Engineering

The Department of Civil, Architectural and Environmental Engineering includes a total of 24 full-time faculty members, including one member of the National Academy of Engineering, multiple early faculty career award winners (NSF and others), and one Fulbright Fellow. We are a highly collaborative group, with demonstrated success in working independently and together on critical CAEE problems. Research activity falls into areas such as civil infrastructure and advanced materials, environmental engineering, climate change resilience and adaptation, and architectural engineering, among others.

Drexel University College of Engineering

Drexel Engineering is thrilled to be entering year two of its faculty cluster hiring initiative. The [Drexel Engineering Faculty Cluster Hiring](#) initiative will facilitate interdisciplinary hiring and enhance strategic connections across colleges in alignment with thematic areas of our strategic plan. We embrace a collaborative approach that leverages our existing strengths and aims to address critical and significant societal challenges through emerging engineering methods and platforms across:

- Renewable energy and power;
- Health, wellness, and medicine;
- Smart, integrated cities; and
- Resource stewardship and sustainability.

This is a multi-year process involving faculty across the College of Engineering as well as other schools and colleges throughout Drexel University, aimed at enhancing the research impact of the college; addressing enrollment growth and strategic teaching needs; advancing our commitment to Diversity, Equity, and Inclusion; and building on our widely-respected strengths in these rapidly evolving fields.

We seek faculty hires who will catalyze interdisciplinary collaboration across the cluster themes, attract significant external research funding, and enrich our undergraduate and graduate students' experience.

Drexel University's College of Engineering strives to create a welcoming, diverse, and inclusive environment. The college values inclusion as a core strength and an essential part of our founder, AJ Drexel's mission of preparing each new generation of students for productive professional and civic lives, while also focusing our collective expertise on solving society's greatest problems.

Supplemental Posting Information

Since its founding in the midst of the industrial revolution in 1891, Drexel University has emphasized its strengths in engineering, science, and technology to train future leaders. In little over a century, Drexel University has transformed itself into a large, comprehensive institution committed to excellence in education, research, and service to engineering society and the broader community. Although much has changed, the original mission of the University still rings true today. To learn more about each of the divisions and programs offered, visit [Drexel Engineering](#).

Located in the heart of Philadelphia, Drexel University is a world-class, comprehensive, R1 research institution and a global leader in experiential education. For more than 100 years, our renowned Cooperative Education (co-op) program has enabled students to gain professional work experience before they graduate, setting them apart from their peers.

Committed to becoming the nation's most civically engaged university, Drexel supports engagement along three dimensions: research and academic programs that directly benefit communities, business practices that support equitable local and regional economic development, and public service by students, faculty and staff. Our engagement is long-term, multigenerational and fundamental to the University's mission, heritage and future.

At Drexel, we are devoted to fostering an inclusive and welcoming environment that promotes healthy lifestyles and is based on integrity, trust and respect. We center equity, inclusion and belonging, and incorporate an anti-racism approach to our strategic plan, organizational systems, policies and structures.

Application

Visit Careers at Drexel for a [more detailed description and application instructions](#). In one PDF, candidates should submit the following: (i) a cover letter; (ii) curriculum vitae detailing educational background, research accomplishments, and work experience; (iii) research plan; (iv) teaching plan; (v) names of at least three professional references; and (vi) a personal statement, which discusses the candidate's past experiences, present efforts, and/or future aspirations to promoting equity, inclusion, and diversity in their academic careers. Drexel University believes that diversity and inclusivity are required for excellence, and candidates are encouraged to describe how their work celebrates diversity in their application. We especially encourage candidates from historically under-served groups to apply.

The deadline to apply is December 9. Review of applications will begin in December and will continue until the position is filled.

For questions, please contact [Miguel Pando](#).