



Assistant Professor of Engineering Education
College of Engineering
University of Nebraska-Lincoln

The College of Engineering (CoE) at the University of Nebraska-Lincoln (<http://engineering.unl.edu>) will be seeking applications for multiple tenure-track faculty positions at the rank of assistant professor in the area of engineering education. The College is building a cohort of discipline-based education research (DBER) faculty to both establish national leadership in DBER in conjunction with the broader UNL DBER community and contribute to research-based transformations within their engineering academic units. CoE is particularly interested in those whose research primarily centers on engineering discipline-based teaching, learning, and assessment at the undergraduate level and who can extend their disciplinary-focused engineering education research to the K-12 and graduate levels.

The primary faculty appointment will be in one of three academic units in the College of Engineering: Civil & Environmental Engineering, Electrical & Computer Engineering, or Mechanical & Materials Engineering, depending on a candidate's qualifications. Candidates will be expected to contribute to the academic programs in their COE unit through teaching undergraduate courses as well as teaching graduate level engineering education courses and supervising graduate research. Candidates will be expected to establish externally funded DBER programs and collaborate with researchers within COE to study and transform engineering education through fundamental and applied research.

The DBER initiative at UNL's College of Engineering (<https://engineering.unl.edu/research/discipline-based-education-research/>) includes the creation of a nationally recognized engineering education research center in their dedicated state-of-the-art research space located in Scott Engineering Center set to open in 2022. Successful candidates will participate in establishing this center which will conduct rigorous and collaborative engineering education research within and across engineering disciplines. Fundamental and applied research engineering discipline-based research will have an impact on engineering teaching and learning locally while making national and international contributions to the knowledge-base for engineering education. DBER faculty will reside in their respective disciplines where, through their presence and participation on their faculties, they will build relationships and collaborations with their disciplinary colleagues to conduct engineering discipline-specific education research that focuses on aspects unique to the education and preparation of professionals in their discipline. DBER faculty will also operate as a community to conduct cross-disciplinary engineering education research focused on aspects common to the education and preparation of all engineering professionals and build graduate programming.

Applicants must have a Ph.D. or equivalent in an engineering discipline (including engineering education) or a closely related field. Applicants' doctoral training should have emphasized rigorous engineering education research practices. In addition, candidates must have at least a bachelor's degree in an engineering discipline. Applicants should have a record of strong scholarly achievement and a demonstrated commitment to excellence in undergraduate and graduate education. Candidates must have the potential to establish a strong externally funded research program. Candidates must demonstrate a commitment to contributing to a culture that supports diversity and inclusion. It is preferred that successful candidates have had undergraduate teaching experience and have conducted discipline-based education research as part of their Ph.D. experience.

Applications must be submitted via <https://employment.unl.edu>, requisition F_200130. Complete applications will include a cover letter; CV; research, teaching and diversity statements (total of 5 pages combined); and list of three references. Please combine teaching, research and diversity statements into a single pdf document and attach as "Other Document." For more information on the requested candidate statements, please visit <https://engineering.unl.edu/candidate-statements/>.

Review of application materials will begin **December 15, 2020** and continue until the positions are filled. For more information, please contact Dr. Heidi Diefes-Dux, Professor and Search Chair at heidi.diefes-dux@unl.edu.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.