



Position Opening
Assistant/Associate Professor
Department of Engineering and Science Education

Description

The Department of Engineering and Science Education at Clemson University invites applicants for a **tenure-track** faculty position for an **assistant or associate professor** of STEM education research. Candidates who engage in STEM education research in any STEM discipline are encouraged to apply. We are looking to complement the current faculty whose research interests include broadening participation in STEM, faculty development, graduate education, impact of pedagogical adaptation, motivation and learning, science communication, student decision-making, virtual reality and STEM, instructional and professional identity development among STEM graduate students, and workforce development focused on technical colleges. The faculty also have STEM disciplinary identities that include bioengineering, chemistry, chemical engineering, geosciences, mathematics, and mechanical engineering. Applications from researchers who specialize in research methodology, or assessment and evaluation are especially encouraged.

The Department of Engineering and Science Education is a unique interdisciplinary unit that conducts scholarly research and grants PhD degrees and a graduate certificate in engineering and science education. The vision of Engineering and Science Education (ESED) is to be an international leader in science, technology, engineering and mathematics (STEM) education through STEM education research, preparation of future faculty and practitioners, and translation of inclusive, evidence-based curricula, policy, and practice to the STEM fields. The mission of ESED is to prepare doctoral and certificate students who will inspire the next generation of engineers, mathematicians, and scientists and to create new knowledge for STEM education primarily at the university level. The combination of engineering, mathematics, and science education foci in the department facilitates dynamic cross-disciplinary collaborations in research and teaching. The successful candidate will be expected to contribute to the growth of the department and continuation of its mission by establishing a strong research program, teach foundational STEM education courses and one undergraduate course in their discipline, and participate in departmental/college service. (<https://www.clemson.edu/cecas/departments/ese/>)

Clemson University is a doctoral-granting R1 research, land-grant institution in South Carolina enrolling 18,000 undergraduates and 4,800 graduate students with 5,000 ethnic minorities and 1,500 international students. Seven interdisciplinary colleges house strong programs in architecture, engineering, science, agriculture, business, social sciences, arts and education. A faculty of 1,400 and staff of 3,500 support 84 undergraduate degree offerings, 73 master's degree programs and 40 PhD programs. Clemson's annual operating budget is \$956 million, with an endowment of \$623 million. The University has externally funded research expenditures of \$100 million per year. Research and economic development activities are enhanced by public-private partnerships at 3 innovation campuses and 6 research and education centers located throughout South Carolina. Clemson University is ranked as a top 25 national public university by U.S. News & World Report. Our beautiful college campus sits on 1,400 acres in the foothills of the Blue Ridge Mountains, along the shores of Hartwell Lake.

Qualifications

Applicants must have an earned doctorate in STEM education research (e.g., engineering education, math education, or science education) or any STEM discipline with post-doctoral experience in STEM education research. Candidates must have a background in a STEM discipline, specifically a BS and/or MS degree in a STEM discipline.

Application Instructions



Applicants should submit their curriculum vita with names of three references with full contact information along with three statements explaining 1) research interests, 2) activities and plans for diversity, inclusion and equity, and 3) teaching philosophy (maximum two pages each) via Interfolio. Applications open in **August 2019** and any received by **November 15, 2019**, will be given full consideration; however, the search will continue until the position is filled.

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status or genetic information.

Clemson University is building a culturally diverse faculty committed to working in a multicultural environment and encourages applications from minorities and women. Clemson University is interested in candidates who can contribute to the cultural diversity and excellence of the academic community through their research, teaching, and/or service.