

Faculty Opening at The University of Cincinnati

Water/Air Quality, Fuel Efficiency, Transportation, Sustainable Engineering and Energy
http://ceas.uc.edu/faculty_openings.html#cluster

Department	CEAS - College of Engineering & Applied Science
Limited To	Area - Environment
Job Title	Assistant Professor
Working Title	OPEN RANK – Assistant/Associate/Professor depending on experience
Position Number	214UC7347
Position Description:	<p>The University of Cincinnati, a top-25 public research university, is strategically concentrating research efforts on five primary pathways representing our strongest programs and recognized leadership in interdisciplinary research and education: environment, information science, manufacturing and services, sensing, and health. These pathways represent focus areas for broad-based cross disciplinary research (interdisciplinary and multidisciplinary) involving multiple units and colleges at the University of Cincinnati to develop specific expertise and international recognition as true leaders. As many as ten faculty positions are available within the College of Engineering and Applied Science (CEAS). This position is accepting applications from candidates interested in the "Environment" pathway which encompasses: Water/Air Quality, Fuel Efficiency, Transportation, Sustainable Engineering and Energy.</p> <p>Essential functions of the position include establishing and leading an active research laboratory, teaching graduate and undergraduate courses in CEAS, and advising graduate and undergraduate students.</p>
Job Description	On a full-time basis Faculty Members principal academic functions include teaching, discovering, creating and reporting knowledge.
Minimum Qualifications	Appropriate academic degree related to department specifications and prior academic experience.
Position Qualification: As determined by college or department	Ph.D. or equivalent degree in all areas of Engineering, or related fields and active participation/interest in research and scholarship.
Ideal Qualifications	The ideal candidate will have excellent communication and mentoring skills and an established independent, interdisciplinary or translational research program. Evidence of strong qualifications will include extramural funding as principal investigator, publications in peer-reviewed journals, teaching experience that includes course development, and commitment to the principles of equity, access and affirmative action. Depending on circumstances, entry-level educators who have demonstrated potential for excellence in research and commitment to excellence in teaching will be considered.
FTE %	100

Job Category	Faculty Position
Position Physical Requirements:	1. Frequent communications, verbal and written. 2. Using math/calculations. 3. Frequent standing and/or sitting. 4. Visually or otherwise identify, observe and assess.
Special Instructions to Applicants	Applications should include the candidate's curriculum vitae, name and contact information for at least three references, and a cover letter summarizing the candidate's research plans, teaching interests and a statement on how they will further the University's goal to build a culturally diverse educational environment. Further documentation, including letters of recommendation and representative publications, may be separately requested by the search committee.
Required Applicant Documents	Resume Cover Letter References
Application Types Accepted	Faculty Form (http://www.jobsatuc.com/applicants/Central?quickFind=87704)
Job Posting Date	01-30-2014
Job Close Date	Open Until Filled

Appendix: Cluster Hiring Ad (Multiple Faculty Positions)

Position Descriptions: The University of Cincinnati, a top-25 public research university, is strategically concentrating research efforts on five primary pathways representing our strongest programs and recognized leadership in interdisciplinary research and education: **environment, information science, manufacturing and services, sensing, and health**. These pathways represent focus areas for broad-based cross disciplinary research (interdisciplinary and multidisciplinary) involving multiple units and colleges at the University of Cincinnati to develop specific expertise and international recognition as true leaders. As many as **ten (10)** faculty positions are available within the College of Engineering and Applied Science (CEAS) in the following interdisciplinary thrust areas:

- [Environment: Water/Air Quality, Fuel Efficiency, Transportation, Sustainable Engineering and Energy \(214UC7347\)](#)
- [Information Science: Modeling & Simulation, Bioinformatics, Cybersecurity, Data Mining \(214UC7375\)](#)
- [Manufacturing and Services: Advanced Manufacturing, Materials, CAE, Robotics, Intelligent Systems \(214UC7376\)](#)
- [Sensing: Nanotechnology, Microfluidics, Structural Integrity, Smart Structures and Systems \(214UC7377\)](#)
- [Health: Tissue Engineering, Chemical Separations, MEMS diagnostics, Medical Devices \(214UC7378\)](#)

Successful candidates will have a primary appointment in one of the six departments in the College of Engineering and Applied Science, and potential secondary appointments in other programs within and outside of the College. The Departments in the College are:

- Department of Aerospace Engineering and Engineering Mechanics
- Department of Biomedical, Chemical, and Environmental Engineering
- Department of Civil and Architectural Engineering and Construction Management
- Department of Electrical Engineering and Computing Systems
- Department of Engineering Education
- Department of Mechanical and Materials Engineering

For more information about the College and Departments, see <http://www.ceas.uc.edu>.

Situated in a city with ten Fortune 500 companies and a diverse urban environment, the University of Cincinnati is located in Uptown—a dynamic community just north of the city center with established neighborhoods, world class resources, and people with international perspective. With Cincinnati's most culturally diverse population, Uptown radiates the energy of a community that celebrates many different heritages and features exciting attractions like the world-famous Cincinnati Zoo. Uptown is also the headquarters of four of Cincinnati's six largest employers—Cincinnati Children's Hospital, UC Health, TriHealth, and the University of Cincinnati—and is the center of cutting edge research.

The University of Cincinnati serves the people of Ohio, the nation, and the world as a premier, public, urban research university dedicated to undergraduate, graduate, and professional education, experience-based learning, and research. The University is committed to excellence and diversity in students, faculty, staff, and all activities. The University provides an inclusive environment where innovation and freedom of intellectual inquiry flourish. Through scholarship, service, partnerships, and leadership, the University creates opportunity, develops educated and engaged citizens, enhances the economy, and enriches the city, state and global community.

The University of Cincinnati has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, people with disabilities, and veterans.

The University of Cincinnati is the recipient of the National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers.

The University is a smoke-free work environment.

Qualifications: Ph.D. or equivalent degree in all areas of Engineering, or related fields and active participation/interest in research and scholarship.

Candidates for tenured and tenure-track positions at the assistant, associate professor and full professor levels will be considered. Strong interest in interdisciplinary activities and research collaborations are encouraged. Successful candidates will have distinguished academic records, will develop strong, independent research programs, and will teach undergraduate and/or graduate level courses.

The ideal candidate will have excellent communication and mentoring skills and an established independent, interdisciplinary or translational research program. Evidence of strong qualifications will include extramural funding as principal investigator, publications in peer-reviewed journals, teaching experience that includes course development, and commitment to the principles of equity, access and affirmative action. Depending on circumstances, entry-level educators who have demonstrated potential for excellence in research and commitment to excellence in teaching will be considered.

Instructions to apply: Follow the links above by clicking the position thrust area. Follow the online directions to submit an application. Applications should include the candidate's curriculum vitae, name and contact information for at least three references, and a cover letter summarizing the candidate's research plans, teaching interests and a statement on how they will further the University's goal to build a culturally diverse educational environment. Review of applications will begin immediately and continue until positions are filled.

Further documentation, including letters of recommendation and representative publications, may be separately requested by the search committee.