

**Tenure-track Assistant or Associate Professor**  
**FACULTY POSITION**  
**CHEMICAL AND PAPER ENGINEERING**  
**SCHOOL OF ENGINEERING AND APPLIED SCIENCE**  
**MIAMI UNIVERSITY**

**Full ad description**

**POSITION:** The Department of Chemical and Paper Engineering (CPE) invites applications for a faculty position at the rank of assistant or associate professor to start in the fall of 2011. Duties and responsibilities include to teach undergraduate and graduate courses; develop and maintain an independent high quality research program; enhance curriculum; advise students; supervise undergraduate senior design projects, independent studies and graduate thesis research; participate in departmental, divisional, university and professional service activities. Requirements: Ph.D. in bioengineering, chemical engineering or closely related field of engineering. PhD candidates will be considered, but the doctorate must be completed by the time of appointment. Appointment as associate professor requires a proven track record in research, scholarship, teaching and service. Candidates should possess expertise in biomaterials, biomechanics, biomedical, biochemical engineering, or systems biology. Applicants should forward the following to Dr. Lei Kerr (kerrll@muohio.edu , 513/529-0768): curriculum vitae, teaching philosophy, research experience and plans, descriptions of other experiences appropriate to the position, and three letters of reference. Screening of applications begins January 17, 2011 and will continue until the position is filled. For more information about the department, visit [www.eas.muohio.edu/departments/pce/faculty-searches](http://www.eas.muohio.edu/departments/pce/faculty-searches). Miami University is an equal opportunity/affirmative action employer with smoke-free campuses. Campus, Crime and Safety Report - [www.muohio.edu/righttoknow](http://www.muohio.edu/righttoknow). Hard copy on request.

**DEPARTMENT:** Established in 1957, CPE currently has 7 full-time faculty, administrative and technical support staff, 250 undergraduate majors, and 10 MS graduate students. The department offers ABET accredited, undergraduate majors in chemical engineering, and paper science and engineering. For the fall of 2010, a interdisciplinary major in bioengineering is being offered for the first time. In addition, an interdisciplinary major in engineering management is also offered. Many opportunities for undergraduate research, student co-op, and study abroad are supported by the department. The graduate program offers advanced courses and requires students to complete a research thesis. The Miami University Paper Science and Engineering Foundation is a non-profit organization that solicits and coordinates industry support for scholarships, equipment, and curricular advice. It operates independently of the department and is led by an executive director. The department's laboratories include modern research laboratories, a highly instrumented pilot paper machine, a unit operations laboratory, biochemical engineering, bioengineering, materials testing laboratory, and other laboratories containing bench scale process equipment. Additional information can be found at <http://www.eas.muohio.edu/departments/pce/>. The hired faculty will have access to the facilities at the Electron Microscopy Facility (EMF) and Center for Nanotechnology. EMF is an all-University research, teaching and service facility located in Pearson Hall on Miami University's main campus and *is free access for the Miami University faculty*. The EMF houses two scanning electron microscopes, two transmission electron microscopes, two laser scanning confocal microscopes, a multimode light microscopy system and a stereoscopic microscopy system. Both SEM's are equipped with an energy-dispersive x-ray microanalysis systems

(EDX) and EBSD capabilities. The Nanotechnology Center at Miami University have instruments of BET surface area, Fluorescence spectroscopy, Photoluminescence, X-ray diffractionmeter (XRD), FT-Raman, Mass Spectrometer, Inductively Coupled Plasma (ICP-MS), FT-IR Microscope, Atomic Force Microscopy (AFM), Fluorescence Spectroscopy. Atomic Absorption Spectrometer.

**SCHOOL:** CPE is administratively located in the School of Engineering and Applied Science (SEAS), which includes other related majors in Computer Engineering, Computer Science, Electrical Engineering, General Engineering, Mechanical Engineering, Manufacturing Engineering, Software Engineering, Engineering Technology, Computer and Information Technology, and Nursing. Miami's undergraduate engineering program is ranked 38th in the category of "Best Undergraduate Engineering Programs where the highest degree is a bachelor's or master's," according to the recent U.S. News & World Report 2011 edition of America's Best Colleges.

**UNIVERSITY:** Miami University is an Ohio public university with an enrollment of 20,000 students on four campuses. Miami is noted for its excellence in undergraduate education. Miami University is ranked second among national universities for its commitment to teaching in the just-released U.S. News & World Report 2011 edition of America's Best Colleges. Our main campus is in Oxford, a small city with a population of 9,000 located 35 miles north of Cincinnati. Miami also has regional campuses in two nearby cities, Hamilton and Middletown, a learning center in nearby West Chester, and the Dolibois European Center in Luxembourg.

**APPLICATIONS:** Applications should include a curriculum vitae, descriptions of teaching philosophy and research experience, and descriptions of other experiences appropriate to the position. Review of applications will begin January 17, 2011 and will continue until the position is filled. Send the above materials and three letters of reference to:

Dr. Lei Kerr  
Faculty Search Committee  
School of Engineering and Applied Science  
Miami University Oxford, OH 45056  
Phone: 513-529-0768 Fax: 513-529-0761  
E-mail: kerrll@muohio.edu

Miami University is an EOE/AA employer with smoke-free campuses.  
Campus Crime and Safety Report – [www.muohio.edu/righttoknow](http://www.muohio.edu/righttoknow).  
Hard copy upon request.

**Position title or rank:**

Tenure-track Assistant or Associate Professor

**Essential duties of the position:**

The tenure-track position requires teaching undergraduate and graduate courses, developing independent research programs, enhancing curriculum, advising students, supervising

undergraduate senior design projects and graduate thesis research, and participating in departmental and professional service activities.

**Required qualifications:**

Required are an earned doctorate in bioengineering or chemical engineering or related field and the ability to teach courses in bioengineering. PhD candidates will be considered, but the doctorate must be completed by the time of appointment. Appointment at the level of associate professor requires a proven track record in research and scholarly activity, teaching and service.

**Desired qualifications:**

Desired qualifications are research experience in the bioengineering field and teaching experience in higher education. However, research expertise in any area of bioengineering or chemical engineering will be considered.

**Date that application screening will begin:**

January 17, 2011