Teaching Professor Position in the Department of Mechanical and Aerospace Engineering

The Department of Mechanical and Aerospace Engineering (MAE) at the University at Buffalo, State University of New York (SUNY) seeks to fill a Teaching Assistant Professor position.

The successful candidate will serve as the instructor for six course-sections per academic year. The majority of this will consist of a newly formed course covering introductory MATLAB and linear algebra taught to sophomore and junior students from Mechanical and Aerospace engineering; Civil, Structural, and Environmental Engineering; and Chemical and Biological Engineering. The applicant should have experience in the use of MATLAB as a structured programming language for application areas for undergraduate students in engineering and will be able to translate theoretical linear algebra concepts into working programs. The applicant's experience in teaching, and particularly in teaching students how to program, should be detailed in the application. The possibility to teach graduate level courses also exists.

The instructor will also be involved in other professional and scholarly activities including developing proposals for educational funds to aid in pedagogical advancements. The candidate should have a Ph.D. in Mechanical Engineering, Aerospace Engineering, Mathematics, or related engineering disciplines, or have reasonable expectations of completing such a degree program within the 2014-2015 academic year.

The School of Engineering and Applied Sciences at Buffalo is the largest and most comprehensive of the SUNY engineering schools. The MAE Department currently has 30 fulltime faculty and is expected to grow to 36 faculty within the next 3-5 years. The MAE Department is also the largest undergraduate population in the School of Engineering and Applied Sciences with around 1,000 undergraduate students.

The application package should consist of a cover letter, a teaching statement no longer than two pages, and teaching evaluations for previous courses taught. The cover letter should explicitly include the number of semester/quarters as a lead course instructor and any previous experience teaching computer programming, along with the languages taught. Any previous experience teaching mathematical concepts to engineering students should be highlighted in the cover letter. Applications can be submitted at www.ubjobs.buffalo.edu/applicants/Central?quickFind=57928 or at www.ubjobs.buffalo.edu by referencing posting number 1500260. The evaluation process will start on June 1, 2015 and will continue until the position is filled. Women and other underrepresented minorities are especially encouraged to apply. The University at Buffalo is an Equal Opportunity and Affirmative Action Employer. The School of Engineering is especially interested in candidates who can contribute, through teaching, research, and/or service, to the diversity and excellence of the academic community.