

## Teaching Assistant Professor Positions in the Department of Mechanical and Aerospace Engineering

The Department of Mechanical and Aerospace Engineering in the School of Engineering and Applied Sciences the University at Buffalo, State University of New York (SUNY) seeks to fill multiple **Teaching Assistant Professor** positions immediately.

The primary purpose of these positions is to improve the educational experience for undergraduate students enrolled in our Mechanical Engineering (ME) and Aerospace Engineering (AE) programs. Consequently, a successful candidate will be expected to assume the following responsibilities:

- Serve as Instructor for six or seven required undergraduate courses per academic year. These courses are expected to be at the sophomore, junior, and senior levels and may include a full spectrum of required courses, with special emphasis on Introduction to Mechanical Engineering Practice (MAE277), Machines and Mechanisms (MAE 311), Manufacturing Processes (MAE 364), Engineering Materials (MAE 381), Design Process and Methods (MAE451), and Design Project (MAE 494).
- Design and implement plans for major departmental undergraduate activities, such as student advisement, industry internships, laboratory and instrumentation upgrades, student excellence initiatives, diversity enhancement and external educational grant support in collaboration with the MAE undergraduate studies committee. These plans should be consistent with the MAE ABET objectives and Realizing UB 2020. We are particularly looking for candidates who can operate effectively in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

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 33 fulltime faculty and is expected to grow to 38 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 1,200 undergraduate students.

The application package should consist of a cover letter, a curriculum vitae, a teaching statement no longer than two pages, three references who can discuss the candidate's teaching experience, and teaching evaluations for previous courses taught. Applicants are specifically asked to emphasize their educational, not their research, accomplishments. The cover letter should explicitly include the number of semester/quarters as a lead course instructor. Applicants are also asked to answer the following question as a separate document: What skills do you see as necessary when choosing curriculum and learning activities for a diverse group of students? Give examples from your personal experience when you have developed or used those skills.

Applications can be submitted at [www.ubjobs.buffalo.edu](http://www.ubjobs.buffalo.edu) by referencing posting number 1600479. The evaluation process will start on August 1, 2016 and will continue until the positions are filled.

The University at Buffalo is an Equal Opportunity and Affirmative Action Employer.