

Assistant Professor - Thermal Fluids
Wentworth Institute of Technology

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Job Title Assistant Professor - Thermal Fluids

Department Mechanical Engineering & Technology

Institution Wentworth Institute of Technology
Boston, Massachusetts

Date Posted Nov. 29, 2017

Application Open Until Filled

Deadline

Position Available Immediately

Start Date

Job Categories Assistant Professor

Academic Field(s) Mechanical Engineering

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Job Description

Opportunity

Wentworth Institute of Technology is seeking an Assistant Professor in Thermal Fluids to join their Mechanical Engineering & Technology faculty. Course work covers mechanical engineering program. 3-D Modeling and FEA / CFD using programs such as SolidWorks, SolidWorks Simulation, Revit, Ansys etc.

The Department of Mechanical Engineering and Technology offers an application- and practice-based curriculum. Through hands-on laboratory-based projects and a cooperative work experience, our graduates are recognized by employers as productive contributors in their respective fields immediately after graduation. The Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET.

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This position offers competitive salaries and benefits. Our benefits package includes comprehensive medical, dental, and pension plans; as well as generous holiday, vacation, and sick time.

Required Qualifications

- * Masters degree
- * Minimum 1 year teaching experience in thermal fluids such as thermodynamics, fluid mechanics, heat transfer, or related

Preferred Qualifications

- * Doctoral degree
- * Minimum 2 years industrial experience in thermal fluids
- * Knowledge 3D modeling using programs such as SolidWorks and Fluent
- * 5 or more years teaching experience in thermal fluids such as thermodynamics, fluid mechanics, heat transfer, or related
- * Knowledge of the accreditation process and course design.

Responsibilities

- * Teaching Effectiveness: Addresses the educator's dedication to the intellectual, specialized knowledge, and character growth of the students. Demonstrated in several ways including, but not limited to, the following: - preparation of teaching materials - leadership in developing new and/or improved curriculum and teaching resources - use of innovative instructional methods - publication of peer reviewed/refereed articles on teaching methodology and other areas of educational instruction - results of teaching evaluations from students, peers, department heads, and recent graduates - demonstration of effective student advising - use of appropriate assessment methods and resulting course improvement(s)
- * Scholarly or Creative Academic Productivity: Includes the discovery and dissemination or application of knowledge and the creation and production of works of art and design. Anticipates regional, national, and/or international recognition of a candidate's accomplishments. Demonstrated in several ways including, but not limited to, documenting the following: - its contribution to the expansion or application of the body of knowledge in the faculty's area of expertise - meeting the rigors of peer/referred review by qualified individuals - its dissemination in a format that can be cited and retrieved

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* Service Leadership: Service leadership activities fall into the following categories: (1) professional service; (2) Department/Institute service; (3) public/community service. These are the essential functions required of the position. The percentage of time should add up to 100. Effectiveness in service activities may be demonstrated directly by acknowledgement from the organization/group being served.

About Wentworth Institute of Technology

Wentworth Institute of Technology is an independent, nationally ranked institution offering career-focused education in engineering, technology, design, and management.

Founded in 1904, Wentworth has grown to be a leader in externally-collaborative, project-based, interdisciplinary learning focused on applied technology, preparing its students for success in industry and graduate education. Today, the Institute enrolls over 4,000 undergraduate students from 31 states and 50 countries; offers over 20 undergraduate and graduate programs, as well as certificate programs and professional training opportunities; and employs approximately 450 faculty and staff. Wentworth operates with a \$120 million annual budget and an endowment of \$86 million.

Located in Boston, Wentworth offers the benefits of a small-college, student-focused environment within the vibrant academic, cultural, and economic ecosystem of the city. Its unique three-part experiential learning model, which combines class learning with project-based work, laboratory/studio experience, and co-op placements with industry partners, distinguishes the Wentworth educational experience and in 2015 contributed to an impressive 98 percent student placement rate within six months of graduation. Over the last five years, application and enrollment numbers have risen dramatically while the academic preparedness of its incoming first-year students has also improved, as the value of a Wentworth education has become more widely recognized.

Living in Boston

Boston prides itself on being one of the most livable cities in America with twenty-one diverse neighborhoods offering exceptional medical facilities, vibrant neighborhood business districts, museums, galleries and an extensive network of parks and outdoor recreational areas. Unemployment consistently tracks lower than the national average and job growth in 2014 and 2015 were ahead of projections. Ranking #6 on the Global Economic Power Index in 2012, Boston is a major player responsible for \$3.75 trillion in economic output with a strong emphasis on the finance, education, professional services, and medical sectors. Eighty-plus colleges and a quarter of a million college students in the area make Boston one of the country's "youngest major metropolis," according to Boston magazine

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To Apply

Interested candidates are required to upload a Cover Letter, a Statement of Teaching Philosophy, and a CV through Academic Keys.

Wentworth Institute of Technology is being assisted by the Keysearch Executive Search Services of Academic Keys.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Valerie Woodruff
Recruiting
Academic Keys

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Phone Number 203-693-1101