

## Biomedical Engineering Adjunct Senior Design Stevens Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=222891>

Downloaded On: May. 9, 2024 2:31am

Posted Oct. 4, 2023, set to expire Jul. 12, 2024

**Job Title** Biomedical Engineering Adjunct Senior Design  
**Department** Biomedical Engineering  
**Institution** Stevens Institute of Technology  
Hoboken, New Jersey

**Date Posted** Oct. 4, 2023

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Adjunct Professor

**Academic Field(s)** Bioengineering (all Bio-related fields)

**Job Website** [https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Biomedical-Engineering-Adjunct-Senior-Design\\_RQ27470](https://stevens.wd5.myworkdayjobs.com/External/job/Hoboken-NJ---Main-Campus/Biomedical-Engineering-Adjunct-Senior-Design_RQ27470)

**Apply By Email**

**Job Description**

### Job Description

The Biomedical Engineering department at Stevens Institute of Technology is seeking qualified applicants for part-time adjunct teaching assignments for BME Senior Design course. The BME Senior Design courses integrate learning and technical design with entrepreneurial thinking to create an environment that fosters innovation. The course guides the student group to identify and address problems with technical, entrepreneurial, humanitarian value and substantial societal impact. This course cumulates the Senior Design capstone to be exhibited at Innovation Expo for the biomedical engineering students.

Senior Design courses support the BME senior design projects in varying ways to develop business

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ideas for their projects and to successfully convey their ideas to potential investors and other stakeholders. It is a practical course where students will develop the basic documentation and skills necessary to understand, manage, communicate and present their project from a business perspective.

Early on the emphasis will be on the management of the project and the revision of the design based on prospective users/stakeholders feedback. Students will be asked to identify and assess the business potential of the technology/ technical solution/system that the students are developing in their senior design. Students will learn how to assess this potential among several, non-technical dimensions, including the identification and analysis of the target market, the assessment of the competition, and the economic feasibility and financial prospects of a new venture created around the product or technology that is being developed in the senior design. To culminate their understanding of the challenges of startup processes, the students will develop overview Executive Summaries and be able to describe their project from a business perspective, not just the technical perspective, as well as, present a project/elevator pitch and compete at the Pitch Competition. These classes meet twice a week for the 14-week semester.?

Instructors are required to prep before class, follow a syllabus and ensure consistent learning outcomes and will be responsible for all grading.? All adjunct instructors must attend weekly or bi-weekly conference calls/meetings with instructor pool to ensure consistency across all sections.??

Adjunct positions are on a semester-by-semester contract basis. Adjunct faculty will be responsible for teaching one or more undergraduate courses in a manner consistent with the specific course content description. Adjunct faculty are expected to hold office hours appropriate for the course(s) being taught. Assignments may include day or evening courses and will be in person at our Hoboken Campus.?

Candidates will be evaluated on suitability of their academic preparation, past teaching experience, and potential for providing high quality instruction to undergraduate students.

### **Applicant Education/Professional Requirements:**

- BS/BE degree in Biomedical Engineering, Bioengineering or a related engineering field from an accredited program.
- 5 years of work experience in product development, product management, start-up or biomedical or related engineering management, previous teaching experience in a Senior Design or Entrepreneurial Thinking a plus.
- Teaching experience preferred

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- Masters or PhD preferred

Under the direction of the Academic Department Chair develop and manage syllabus materials. Coordinate courseware and curriculum with academic department chair. Facilitate class instruction and evaluate student performance. This is a part-time position. Education: Bachelor, Master or Ph.D.in area of experience.

### **Department**

Biomedical Engineering

### **General Submission Guidelines:**

Please submit an online application to be considered a candidate for any job at Stevens. Please attach a cover letter and resume with each application. Other requirements for consideration may depend on the job.

### **Academic Submission Guidelines:**

Please submit:

- Cover letter
- Curriculum vitae
- Research statement
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Teaching statement that includes a) teaching interests, b) teaching philosophy, and c) a plan on how to create an inclusive environment for students of all backgrounds in terms of classroom teaching, student advising, and graduate student mentoring

- Contact info for at least 2-3 references (school-specific; please refer to job posting)

### Still Have Questions?

If you have any questions regarding your application, please contact [Jobs@Stevens.edu](mailto:Jobs@Stevens.edu).

### EEO Statement:

Stevens Institute of Technology is an Equal Opportunity Employer. Accordingly, Stevens adheres to an employment policy that prohibits discriminatory practices or harassment against candidates or employees based on legally impermissible factor(s) including, but not necessarily limited to, race, color, religion, creed, sex, national origin, nationality, citizenship status, age, ancestry, marital or domestic partnership or civil union status, familial status, affectional or sexual orientation, gender identity or expression, atypical cellular or blood trait, genetic information, pregnancy or pregnancy-related medical conditions, disability, or any protected military or veteran status.

Stevens is building a diverse faculty, staff, and student body and strongly encourages applications from people of all backgrounds. Stevens is a federal contractor under the Vietnam Era Veterans' Readjustment Assistance Act (VEVRAA) and the Rehabilitation Act of 1973, as well as other federal statutes.

**NSF ADVANCE Institution** Steven's values diversity and seeks candidates who will contribute to a welcoming and inclusive environment for students, faculty, and staff of all backgrounds. We are an NSF ADVANCE institution committed to equitable practices and policies and strongly encourage applications from women, racial and ethnic minority candidates, veterans, and individuals with

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disabilities.

**Jeanne Clery Disclosure:**

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act), the Department of Public Safety is required to publish an annual security report which includes statistics mandated by the Clery Act. Click [here](#) for a copy of this report.

**Contact Information**

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

**Contact**

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