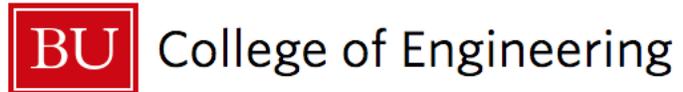


## Job Opportunities

# Laboratory Supervisor, Boston University, College of Engineering, Boston, MA

### Position Description

This position reports to the Laboratory Manager. Assist the faculty and Laboratory Manager in the supervision and instruction of students utilizing the [Engineering Product Innovation Center \(EPIC\)](#). Oversee the Automated Design and Manufacturing Laboratory (ADML) contained within EPIC. Train students in all technical aspects of the hardware prototyping process, including, but not limited to, open source microcontrollers, sensors, basic electronics, and machine tool operation. Supervise undergraduate laboratory classes. Conduct seminars and programs for students on various aspects of hardware prototyping. Assist in the maintenance of equipment and ensure a safe learning environment. Have a demonstrated passion for undergraduate education.



### Essential Function 1: 50%

Supervise and provide laboratory instruction for undergraduate students enrolled in ME345: Automation & Manufacturing Methods, on automated manufacturing systems. Have working knowledge of the software and hardware required for state-of-the-art manufacturing technologies, including Collaborative Industrial Robotics, Computer Aided Design, Computer Aided Manufacturing, Computer Integrated Manufacturing, Programmable Logic Control software, and Computer Numerically Controlled equipment, all used to provide students a hands-on experience with a highly technical automatic manufacturing system. Laboratory instruction also includes statistical process control (SPC), ladder logic, and vision systems. Maintain, repair, and refine all laboratory equipment associated with the ADML. Collaborate with outside vendors to resolve any programming and equipment issues.

### Essential Function 2: 30%

Tutor individual students and student-led teams on state-of-the-art hardware prototyping tools and techniques on an as-needed basis in support of the College of Engineering's Design and Manufacturing curriculum, including the use of basic machine tools and software, open source microelectronics, sensors, and basic mechanisms. In particular, support the learning needs of undergraduate students enrolled in design classes ranging from introductory sophomore classes to senior capstones while maintaining a safe and organized work environment. Serve as an effective and encouraging guide and coach.

### Essential Function 3: 20%

Conduct seminars, tutorials, and programs for students on various aspects of the hardware prototyping process as required on subjects such as use of machine shop tools, prototyping software, and electronics.

**To Apply**

Contact Micaelah Morrill, Director of External Relations

Boston University

[mmorrill@bu.edu](mailto:mmorrill@bu.edu)