

Massachusetts Institute of Technology
Office of Labor Relations
****Notice of Vacant Position****

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Position Title: Project Technician (Pappalardo Lab)
Requisition # #
Department: Mechanical Engineering
Location: Cambridge
Hours: 40 hours, Monday-Friday; 8:30-5:00pm
Salary Range: \$50.64 - \$52.54
Number of Openings: #

Classification Description: A highly skilled technician with all the qualifications of a Senior Technician who, in addition, demonstrates ingenuity in design, construction, operation or maintenance of highly technical and complicated apparatus.

Job Description:

- Work closely with faculty, staff, TAs, and undergraduate students to support classes, programs, and events hosted by the lab. This may involve:
 - Instructing and supervising students on fabrication methods, mechanical design, equipment operation, machining best practices, and shop safety.
 - Monitoring students and advising on fabrication methods and appropriate tool use to complete projects.
 - Assisting faculty and staff with the preparation of instructional materials, such as 2.007 game tables and various 2.009 materials.
 - Supporting class presentations and demonstrations.
 - Courses primarily include 2.009, 2.670, and 2.007, with support, as needed and able, for 2.671 and 2.678. May also include summer programs, including Women's Technology Program and Discover Mechanical Engineering.
- Maintain equipment and tooling in working condition, including in the machine shop, student assembly areas, woodshop, and waterjet facility.
- Maintain lab space to ensure a productive and safe environment, including work area setup, cleaning, organization of tools, tooling, materials, and equipment.
- Monitor and enforce the MIT safety policies as they relate to Lab equipment.

Classification Requirements: An exceptionally high degree of responsibility and ingenuity is expected of employees in this classification. Must have one or more of the following aptitudes:

- Flair for improving scientific devices;
- Unusual ingenuity at trouble shooting;
- Demonstrated ability at field engineering or test engineering; or
- Ability to do effective and important laboratory instructional work with students.

Graduation from a two (2)-year day technical school or its equivalent and a minimum of ten (10) years of applicable experience are required. A sound basic knowledge of their particular field is important for this classification.

Job Requirements:

- Highly skilled in a multitude of fabrication methods, e.g. manual and CNC milling, turning, welding (TIG, MIG, plasma and flame cutting, brazing, soldering), woodworking (table saw, bandsaw, hand tools), carpentry, sheetmetal.
- Demonstrated record working with and mentoring undergraduate students with fabrication-based projects.
- Demonstrated ability to organize and maintain fabrication and project workspaces.

Working Conditions:

- Handle objects weighing up to 50 lbs, which may involve lifting, carrying, pushing, or pulling.
- Engage in activities such as assembling, moving, operating, or demonstrating machinery, tools, and equipment. These tasks may require standing, stooping, crouching, kneeling, or other physical movements for extended periods.
- Reach at, above, and below shoulder level.
- Ascend and descend stairs, scaffolding, or ladders.
- Operate a range of tools and equipment, including those requiring fine motor skills (e.g., cutting tools, soldering irons, keyboards).
- Seize, hold, grasp, turn, and manipulate objects with hands and fingers; includes the use of a keyboard and other standard office equipment.
- Use foot controls such as pedals, buttons, levers, or cranks. Visually monitor student activities at distances of 20 feet or more.