

Director of Undergraduate Laboratories in Mechanical  
Engineering  
The Pennsylvania State University

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Posted Sep. 11, 2018, expired Jan. 13, 2019

**Job Title** Director of Undergraduate Laboratories in Mechanical  
Engineering

**Department** Mechanical and Nuclear Engineering Department  
<https://www.mne.psu.edu>

**Institution** The Pennsylvania State University  
University Park, Pennsylvania

**Date Posted** Sep. 11, 2018

**Application Deadline** Screening of applicants begins October 1, 2018

**Position Start Date** Negotiable

**Job Categories** Assistant Professor  
Associate Professor  
Director/Manager

**Academic Field(s)** Robotics  
Mechatronics  
Mechanical Engineering  
Manufacturing & Quality Engineering  
Engineering Mechanics  
Engineering - Other

**Job Website** [https://assets.engr.psu.edu/MNE/docs/ME\\_UG\\_LabDirector\\_2018-1.pdf](https://assets.engr.psu.edu/MNE/docs/ME_UG_LabDirector_2018-1.pdf)

**Apply Online Here** <https://psu.jobs/job/82664>

**Apply By Email**

**Job Description**

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**DIRECTOR OF UNDERGRADUATE LABORATORIES IN MECHANICAL ENGINEERING**

Mechanical Engineering at Penn State is seeking to hire a Director of Undergraduate Laboratories. The Director will be responsible for working closely with the faculty in mechanical engineering to develop, build, and demonstrate systems-level experiments to illustrate important principles related to a modern mechanical engineering curriculum. The Director will develop innovative laboratories in mechanical systems and thermal systems. After the experiments are constructed and demonstrated, the Director will be responsible for overseeing the teaching of the new laboratories to students in mechanical engineering. Depending upon the qualifications, the title of Assistant or Associate Teaching Professor will be given.

Duties for this position include gaining a detailed understanding and ability to plan for the development of new systems-level experiments to illustrate the principles of mechanical systems and thermal systems; to assist the mechanical engineering faculty in providing a number of options and plans in developing the new undergraduate laboratories; construction and debugging of the new experiments to ensure readiness for laboratory classes; and provide continuous improvement of the laboratories. Beyond the first year, the Director's duties will include overseeing the graduate teaching assistants in teaching the required undergraduate laboratories and ensuring that all experiments are operational and regular maintenance is applied. This position requires the ability to work and effectively communicate in a diverse environment with students, faculty, and staff. The position also requires direct communication with outside vendors. This position requires that the person be a self-starter, have the ability to work independently, and work as a strong team member.

Qualifications for this position include, at a minimum, a doctoral degree in Mechanical Engineering or a related field. It is highly desirable to have at least three years of work experience and knowledge in designing, building, and executing experiments. It is also desirable to have some teaching experience. This is a fixed-term appointment funded for one year from date of hire with a good possibility of re-funding.

Nominations and applications will be considered until the position is filled. Screening of applicants will begin on October 1st, 2018. Applicants should submit the following documents: 1) a cover letter, 2) a statement on teaching, 3) a curriculum vitae, and 4) the names and addresses of three professional references. Apply to job 82664 at <https://psu.jobs/job/82664>.

**CAMPUS SECURITY CRIME STATISTICS:** For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.



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**Contact Information**

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

**Contact** ME Faculty Search Committee  
Mechanical and Nuclear Engineering Department  
The Pennsylvania State University  
137 Reber Building  
University Park, PA 16802-1412

**Phone Number** 814-865-2519  
**Fax Number** 814-865-1280  
**Contact E-mail** MESearch@mne.psu.edu