

## Work Study Job Description

<b>Job Title</b>	Laboratory Assistant
<b>Department Name</b>	Nanotech User Facility
<b>Job Location</b>	MolES G43E
<b>Pay Rate</b>	\$12.00 - \$14.50
<b>Employment Period</b>	Academic Year
<b>Hours Per Week</b>	19 hrs/wk
<b>Contact Supervisor</b>	Scott Braswell
<b>Phone Number</b>	206-685-6774
<b>Email Address</b>	sbras@uw.edu
<b>Website</b>	<a href="https://depts.washington.edu/ntuf/">https://depts.washington.edu/ntuf/</a>
<b>Box Number</b>	351651

### Nature of Organization

The Nanotech User Facility (NTUF) was established in 1998 to provide the Pacific Northwest nanotechnology community access to advanced characterization and nanofabrication tools. Located in the Molecular Engineering and Sciences building, we draw researchers from all over campus and around the Puget Sound working in a variety of scientific and engineering disciplines. A perfect candidate will have an interest in hands-on laboratory work, research instrumentation, and a good academic record in science and/or engineering.

### Duties and Responsibilities

Routine laboratory upkeep  
 Sample preparation by chemical and/or physical processing  
 Teaching and learning to operate research instrumentation  
 Developing applications through directed research projects

Laboratory Assistants will support research by maintaining the facilities and training UW graduate students on well-developed sample preparation procedures. They assist users with technical problems related to complex processes and instrumentation as they are able. They will aim to develop proficiency on one or more of the major research tools maintained at the NTUF; Scanning Electron Microscope, Transmission Electron Microscope, Dual beam SEM-FIB, Confocal, Atomic Force Microscope, etc.

### Minimum Qualifications

Scanning electron microscope theory, operation and sample preparation. Knowledge of laboratory chemical safety. Skill trouble shooting Windows OS and software. Ability to coordinate training sessions and equipment reservations with new students on personal time.

Able to commit 10 hours/week including at least two 4-hour blocks Strong organization skills and the ability to work well with others are prerequisite Have a good academic record in science or engineering

### **Educational Benefits**

Successful candidates are trained to operate advanced research instrumentation and perform complex sample preparation. They will be exposed to a wide variety of research taking place both on campus and in Seattle-area industry. NTUF Laboratory Assistants have gone on to successful engineering careers with area employers, graduate school, and other enriching experiences.

### **How to Apply**

Please submit your resume, unofficial transcript, and a brief explanation of your goals to the contact supervisor listed. Be sure to mention the amount of your work study award.

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Job Number: NTEC01 | Job Class: 0875 | Category: Science & Health | 51% Comp. To Classified: y | Program:  
State