

This document summarizes the Fab.nano laboratory access and how to obtain 24/7 access.

Logistics

What are the regular lab hours?

Regular lab hours are when staff is present: Mo-Th 8 am - 9 pm, Fr 8 am - 7 pm.

MIT holidays (<https://hr.mit.edu/holidays>) require 24/7 access as staff is not present. Additional holidays may be posted or announced via user email.

How can I get 24/7 access?

You can apply to work during after-hours (1) once you are comfortable being in the lab, (2) familiar with the space, (3) understand the lab safety procedures, and (4) completed wet processing training. To apply, you can register for a time slot using the MIT Atlas Training Center, at: <http://web.mit.edu/training/course.html?course=EHS02005c&sys=PS1>. In parallel, please also email ptc@mtl.mit.edu stating you would like 24/7 access to MIT.nano. A short in-person discussion will then take place during the Friday 11 am – noon PTC meeting (room 12-4001).

FAQs

What is the interview about?

The interview helps to identify and close any gaps of understanding needed to work 24/7.

What can you do as 24/7 user?

You can be inside Fab.nano labs outside of regular lab hours.

Do you need to have a buddy after-hours?

Of course it's always good to have other people present in any lab you work in, but generally no, because the lab and processes have been designed to minimize risk. However, see the following important exception to this rule.

Important Exception: When is it required to have a buddy?

For any activity at a corrosive bench or hood, you must have another person present with you in the lab, within sight. This is work where you're required to put on acid ppe (apron, sleeves, faceshield, acid gloves).

What are the prerequisites that qualify a User for 24/7?

Ability to correctly interpret and adhere to these and other lab rules.

An understanding of general lab safety procedures.

Experience of being inside Fab.nano laboratories.

Demonstrate competence and conscientiousness as a user.

Not an undergraduate student (because MIT requires supervision of undergrads).

Understand when to call the relevant emergency phone numbers (and what they are / where to find them / who answers).

Do you have examples of general lab safety procedures?

What are the gas alarm notifications and how do you react to them?

What do you do in the case of a fire, power outage, medical emergency?

How do you react to chemical spills or chemical exposures?

Where are safety showers and eyewashes, and how do you use them?

What are the lab buddy rules (and how they differ from bldg. 39 if 24-hr user there)?
What do you do when you observe others violating lab protocols?

What are the relevant emergency phone numbers?

You should know how and when (or when not) to contact the MIT.nano emergency response team, MIT police, who answers the phone and how to communicate with them.

What counts as sufficient experience being inside the Fab.nano laboratories?

This can vary by person. Contact a staff member to demonstrate your experience level. The staff member will be able to provide additional feedback to the committee prior to your interview.

How do I lose 24/7 access?

If you fail to observe the rules and protocols above, or exhibit other unsafe practices.