

# Laser Safety

## Description



Class 3B and 4 lasers are regulated by the State of Florida and must be [registered](#) with the UF EH&S Laser Safety Program.

Additionally, there are several requirements based on the class of the laser which are listed below. However, each laser is evaluated and more or less requirements may apply based on circumstance. Class 1, 2 and 3R lasers are not regulated and therefore no laser safety precautions are necessary.

Contact the [UF Laser Safety Officer](#) with any questions.

---

## Laser Lab Requirements

### **Class 3B should and Class 4 laser labs shall**

- Have a standard operating procedure available for the lasers in use
- Have an emergency off device for each laser
- Have an indicator of laser use at the entry to the lab (i.e., a “laser in use” light)
- Have an interlock or security latch in place at the entrance to the lab
- Control entry to the lab
- Control possible escape of laser radiation through windows and other portals

### **Class 3B and Class 4 laser labs shall**

- Receive a laser safety survey every six months
- Be posted with appropriate signs

- Have, and require the use of, appropriate protective eyewear
- Train all laser users and restrict laser use to those users

## Training

### Online Training

Anyone that works in a lab with an active Class 3B or 4 laser is required to take the online training UF\_EHS833\_OLT. Users of re-classified microscopes are required to take this training as well. Please visit [MyTraining](#) to complete the course.

### Hands-On Training

Anyone that will be directly working with the laser must receive hands-on training by their PI or another authorized and experienced user. Once a person is ready to work without supervision, a [Statement of Training Form](#) may be submitted to authorize them.

## Laser Safety Documents

- [Laser Safety Manual](#) – The primary document detailing laser safety requirements at the University of Florida
- [Laser Safety Handout](#) – A synopsis of laser safety requirements at the University of Florida
- [Laser Emergency](#) – The emergency procedure for laser accidents, along with emergency contact numbers
- [Laser Microscope Guide](#) – How and why laser microscopes are re-classified
- [Laser Cutter Guide](#) – Rules for safe use of laser cutters
- [Laser Cutter Materials](#) – An example list of acceptable and unacceptable materials to use in a laser cutter
- [Laser Disposal Guide](#) – How to dispose or transfer an unneeded or broken laser