

Aerospace Structures Laboratory

AerE 322

Lab Safety

The AerE 322 laboratory (0257 Howe) has the potential for various safety hazards including toxic chemicals, high temperatures, extreme forces, projectiles and shrapnel, and entanglement. Each lab will start with a safety briefing that lists the most likely hazards and how those hazards are mitigated.

Laboratory safety rules

1. Everyone MUST take the following safety training through ISU EH&S <https://training.ehs.iastate.edu/iowaSU/site/> before coming to lab:
 - a) Personal Protective Equipment (PPE)
 - b) Lab Safety: Core Concepts
 - c) Shop Safety Fundamentals
 - d) Fire Safety and Extinguisher Training
2. ALWAYS wear safety glasses whenever you are in the lab, REGARDLESS of whether you or anyone else is using any equipment.
3. ALWAYS wear close-toed shoes. No sandals.
4. NO loose clothing or jewelry. Long hair must be tied back. (entanglement risk)
5. AVOID long-sleeved shirts when working with machinery (entanglement)
6. USE a long-sleeved shirt or lab coat and long pants when working with epoxy (chemical spillage/contamination)
7. NEVER touch uncured epoxy, resin, or hardener. ALWAYS use gloves when working with these materials.
8. NEVER remove resin or hardener from the mixing table unless it has been thoroughly mixed at the correct ratio.
9. NEVER use machinery unless you have been trained on the equipment.
10. ASK if you do not understand what you are doing or are concerned something might be unsafe.