USC Shop Safety Program

shop
/SHāp/

n.
1. the workshop of a craftsperson or artisan.
2. the workshop of a person who works in a manual trade; place for doing specific, skilled manual work.
3. a course of instruction in a trade, as carpentry, printing, etc., consisting chiefly of training in the use of tools and materials.
4. a course of a classroom in which such a course is given.

The USC Shop Safety Program applies to any location where one or more of the following operations are routinely conducted by Faculty, Staff, Students or Contractors, etc. in workspaces that are owned or leased by the University:

- Metal working including sheet metal forming, machining, grinding, riveting, cutting, threading, casting, forging, heat-treating, quenching, welding, brazing, soldering, drilling, etc…

- Plumbing work including water delivery and distribution, pneumatics, hydraulics, or any other kind of equipment development / installation / maintenance involving liquids or gases flowing through pipes…

- Carpentry and woodworking including cutting, drilling, sanding, carving, routing, grinding, planing, gluing, bonding, fastening, etc…

- Surface modification and coating including sandblasting, painting, surface preparation, laminating, burning, etching, masking, etc…. 

- Glass work including glass blowing, glazing, annealing, tempering, bonding, grinding, drilling, hot-work with glass materials, etc…

- Electrical / electronic work including equipment building, circuit design / building, wiring, control system building/repair, etc.

- Plastics work including machining, bending, burning, bonding, cutting, drilling, gluing, melting, forming, etc…

- Equipment development / model building / testing work including machine building, hydraulics building / use, compressed air use, research equipment development / modifications, model building, destructive testing, and other kinds of equipment repairs / maintenance, etc…

- Material handling including craning, hoisting, rigging, lifting, transporting, carrying or otherwise moving any shop-process materials / equipment from one location to another.