

Kansas City Art Institute

Continuing and Professional Studies Safety Manual

Welding – Main Campus – Volker Building

Personal Protective Equipment

- Thick leather work gloves and safety goggles will be provided.
- Students should wear long pants and long sleeves, aiming for total coverage of the body. All clothing should be made of natural fibers. Denim is recommended.
- Closed-toe shoes are required. Leather work boots are recommended.
- Tie back long hair, roll up long sleeves, tuck in loose clothing, and remove all jewelry.

Welding Hazards

- Welding poses a variety of physical hazards. Always wear the appropriate personal protective equipment, and follow instructor directions and cautions, to avoid injury to yourself and others.
- Heating certain metals can cause toxic fumes and gasses. Assure proper ventilation.
- The intense heat of welding and sparks can cause burns. Wear the proper personal protective equipment, and assure all flammable materials are removed from the area to prevent fires.
- Loud noises from welding and grinding may cause damage to the ears. Wear earplugs or earmuffs when necessary.
- Students are not allowed to wear music headphones while working, so that they can be alert to their surroundings.
- The intense light from arc welding can cause damage to the eyes. Wear shaded goggles or masks, and use welding curtains to protect those nearby.
- Welding uses compressed gasses in cylinders, which can pose an explosion hazard. Follow precautionary measures.
- Students must ensure that they have had a tetanus shot in the last ten years or they must obtain one within 72 hours after they receive a rusty cut.