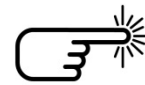


# Electrician



Required PPE (click icon for PPE examples and information)



[Click here to view Required/Recommended Safety Trainings](#)

Work Duties	Hazards	Recommendations
Working around electricity	Electric shock; electrocution	Shut off power to work area. Use lock-out device to ensure power is not inadvertently switched on. Always test before beginning work to verify that power is off. Remove tools and other metals from body. If you must work with electricity on, wear safety glasses and leather gloves. Have coworker with you in case there is a problem. If work area is wet, clean up standing water before working with electricity; wear rubber boots and gloves.
Equipment Maintenance	Electric shock, parts shooting and striking worker, getting caught in equipment, cuts from sharp edges	N/A
Working with power tools	Cuts, abrasive, electric shock, injury from flying debris, tripping over power cords, electrocution	Wear goggles and dust mask if applicable. Keep cords away from work area. Keep tools in good condition. Inspect tools before use. Verify that guards are working properly. Do not put hand near blades. Make sure you have a good center of gravity and maintain control at all times

# Electrician

Work Duties	Hazards	Recommendations
Using hand tools	Cuts, pinches, smashes, punctures, severing of fingers.	Keep tools in good condition. Inspect tools before use. Wear safety glasses. Work away from yourself. Use normal caution required for all hand tools.
Changing light bulbs and glass lenses of light fixtures	Getting cut on glass or sharp edges.	Handle with caution. Wear gloves.
Working on roofs	Slipping and falling, high winds, getting stranded on roof if working alone	Walk carefully not too close to the edge. If possible avoid working on really windy or wet/icy days. Keep doors propped open with a 2-way radio.
Using scaffolding	Scaffolding collapsing, slipping/falling from scaffolding	Inspect all equipment before using and make sure it is assembled correctly and all wheels are locked. Use safety rails and a safe way down
Using ladders or step-ladders	Ladder collapsing; Slipping and falling from ladder	Inspect ladder before use. Use ladder at proper height. Make sure the ladder is assembled, locked and on level ground. Do not exceed weight limit for ladder. Do not stand on the top or top rung of ladder and make sure a co-worker is holding ladder if any higher than a step-ladder.
Working in mechanical rooms	Explosions from gas lines; burns from steam, hot water lines; slipping on water or oil; tripping over materials being stored; loud noise	Be aware of odors and evacuate if you smell gas; be aware of your surroundings, clean up any standing liquid on floor; walk carefully; wear earplugs if needed.

# Electrician

Work Duties	Hazards	Recommendations
Working in confined spaces	Lack of oxygen or overexposure to methane gas.	Before working in confined area, verify that it is safe by monitoring air (get confined space permit as required). While working, always ventilate area using fan. Always have at least one person outside confined area to monitor safety of those working inside.
Working in high-voltage switch gear rooms.	Electrocution	Use tag-out and lock-out procedures to turn off electricity. Check tester on known circuit. Use hot sticks and growlers to verify that electricity is off. If working on something live, wear insulated gloves. Do not wear keys, rings, watches, or other jewelry.
Working in area of pedestrian traffic.	Pedestrians knocking over ladders or lights or bumping into worker; pedestrians getting hit with equipment or falling tools, etc.	Always be aware of surroundings.
Working outside in extreme temperatures	Heat stroke, heat exhaustion, frostbite.	Dress appropriately for the weather, keep hydrated, and take necessary breaks when needed.
Heavy lifting	Use proper lifting techniques, limit duration of repetitive motion.	Always know your weight limit, lift with your legs, get help if needed.
May work with materials containing asbestos.	Could cause possible health issues if inhaled or ingested	Never disturb materials containing asbestos unless properly trained. Always use appropriate exposure control methods and wear designated PPE.