



**YOUNGSTOWN
STATE
UNIVERSITY**

CLASSIFICATION SERIES:

Electrician Occupation

CLASSIFICATION CODE/PAY GRADE:

52283/50

BARGAINING UNIT:

ACE

Electrician 1

SERIES PURPOSE: The purpose of the Electrician occupation is to install, maintain, and repair electrical wiring systems, fixtures, controls, and equipment.

CLASS CONCEPT: The class works under general supervision and requires considerable knowledge of and skill in the electrician trade in order to install, troubleshoot, modify, maintain, and repair electrical wiring systems, fixtures, controls, and equipment.

JOB DUTIES: Incumbents may perform some or all of these duties or other job-related duties as assigned.

Installs, troubleshoots, modifies, maintains, and repairs electrical wiring systems, fixtures, controls, and equipment including, but not limited to, electric panels, conduits, motors, appliances, fans, transformers, heating and cooling equipment, fire and other alarm/emergency systems, elevators, and/or switches.

Installs and replaces lighting fixtures including, but not limited to, light bulbs, ballasts, switches, fuses, exterior and/or perimeter lighting; tests, installs, and/or maintains fire alarm systems and/or security systems.

Completes material and cost estimates, reports, and logs; orders parts; maintains inventory of electrical supplies.

Performs other miscellaneous duties including, but not limited to, semi-skilled carpentry, painting, plumbing, and water treatment; operates snow and ice removal and grass cutting equipment; operates heavy equipment.

Performs other related duties as assigned.

KNOWLEDGE, SKILLS, AND ABILITIES:

Effective 03/29/2020

Knowledge of: national electric code*; Ohio safety and health association guidelines*; inventory control*; red cross safety practices; fire code*; basic mathematical principles; safety practices in electrical trade.

Skill in: electrical trade; use of electrical tools to install, test, maintain and repair equipment.

Ability to: read blueprints and/or schematics*; apply principles to solve practical, everyday problems; read technical manuals and instructions; stand, walk, bend continuously; move limbs/fingers easily to perform manual functions repeatedly.

(*) Developed after employment.

MINIMUM QUALIFICATIONS: High school diploma or GED; two years of training or verifiable experience in electrical work under the supervision of an experienced electrician; valid driver's license and insurable under the University's insurance policy.

REQUIRED CERTIFICATIONS, TRAINING, AND/OR LICENSURES: None

PHYSICAL REQUIREMENTS: In accordance with the U.S. Department of Labor physical demands strength ratings, this position will perform very heavy work.

VERY HEAVY: work involves exerting 100 pounds of force occasionally, or 50 pounds of force constantly to move objects.

UNUSUAL WORKING CONDITIONS: Works indoors and outdoors; exposed to dirt, dust, grease, unpleasant weather, loud noises, hot and confined work areas, and high voltage; subject to burns, cuts, bruises, and electrical shock; may work on scaffolding, stadium light poles, utility poles, or extension ladder; may work from scissor lift and articulating boom lift.