

JOB TITLE	LEVEL	GRADE	JOB. NO.
Electrical Technician I	E-4	05	313

DEFINITION

This is certified electrical installation, maintenance, and repair work, which involves the installation, alteration, maintenance, and repair of electrical systems, equipment, and fixtures. This also includes diagnosis, repair, and maintenance of electrical circuits, which includes the installation, alteration, maintenance, and repair of all electrical systems, equipment, and fixtures.

Work involves major electrical repair and maintenance of electrical systems which are carried out with limited supervision, or more advanced work assisting a supervisor.

EXAMPLES OF WORK PERFORMED

(Any one position may not include all of the duties listed, nor do the examples cover all of the duties which may be performed).

- ◆ Performs electrical repairs and maintenance necessary to ensure safe and continuous operation of support systems.
- ◆ Installs and repairs conduit, wiring, etc.
- ◆ Inspects electrical systems for malfunctions and diagnoses problems using test instruments; periodically checks operation of electrical systems and equipment for safe and proper operation.
- ◆ Requisitions parts and materials needed to make repairs and maintains inventory of spare parts.
- ◆ Completes daily maintenance logs and work reports indicating time and materials used.
- ◆ Assists HVAC technician in installing and repairing HVAC electrical services and disconnects.
- ◆ Performs maintenance on electric motors; repairs, oils, adjusts, and cares for electrical motors.
- ◆ Inspects HVAC electrical malfunctions and diagnoses problems using appropriate test instruments; periodically checks operation of HVAC electrical systems and equipment for safe and proper operations.
- ◆ Complies with all policies of the Alabama Community College System and the College.
- ◆ Performs related work as assigned.

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REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES

- ◆ Knowledge of the methods, materials, tools, and practices used in the electrical trade.
- ◆ Knowledge of the occupational hazards and safety precautions of the electrical trade.
- ◆ Ability to use and maintain the tools and equipment of the electrical trade.
- ◆ Skill in the care and use of the standard tools and equipment of the electrical trade.
- ◆ Considerable working knowledge of the principles and theory of the electrical trade.
- ◆ Knowledge of the applicable electrical standards and codes.
- ◆ Ability to install, alter, repair, maintain, and locate defects in a variety of electrical equipment and systems.
- ◆ Sufficient physical strength to permit the performance of manual tasks; ability to lift 50 pounds from the ground; ability to lift arms above the head.
- ◆ Ability to walk for extended periods of time; ability to walk up and down stairs and climb up and down ladders.

QUALIFICATIONS

Education:	Graduation from high school or GED certificate City of Gadsden Journeyman Certification or State Masters Certification.
Experience:	Three (3) years of experience in servicing, troubleshooting, and installing electrical equipment.
Personal Qualities:	Friendly personality; enthusiastic, positive attitude; evidence of trustworthiness and ethical conduct; effective human relations skills; strong work ethic.