
Auburn University Job Description

Job Title: **Tech II, Plant Operations**

Job Family: No Family

Job Code: **ND14**

Grade ST13 \$40,400 - \$64,600

FLSA status: Non-exempt

Job Summary

Under general supervision, responsible for performing the routine installation, replacement, or repair to a variety of district energy plant and distribution system equipment.

Essential Functions

1. Performs routine installation, replacement, or repair of district energy plant and distribution system equipment including chillers, boilers, pumps, motors, valves, valve actuators, variable frequency drives, air compressors, air dryers, cooling tower fans, gear boxes, steam manifolds, steam traps, refrigeration monitoring units, air handling units, water filtration systems, and fuel oil systems.
2. Performs routine and moderately complex maintenance of energy plant electrical equipment and power systems to include electrical service panels, interior electrical distribution systems, lighting systems, motors, pumps, fans, air conditioning equipment, and heating equipment. Work involves voltages up to 480 volts and three phase power.
3. Inspects and troubleshoots district energy systems and their components (e.g. chillers, boilers, valves, valve actuators, flow meters, etc.) for the purpose of evaluating operating status and material condition, identifying necessary repairs, and recommending a proper course of action.
4. Oversees and plans assigned work orders using the Facilities Management AIM work order system to prioritize and schedule work to best meet the needs of Auburn University and its customers. Identifies options, develops solutions, and takes action when responding to customer requests.
5. May be responsible for meeting and maintaining training and certification requirements as outlined by the Auburn University Facilities Management Policy: "Training, Education, and Certification Requirements for Mechanical and Electrical Trades Personnel".
6. May be required to serve in an on-call status and remain work-ready when scheduled for an on-call period or rotation. Work-ready status requires an employee to return to the worksite within forty-five minutes while being physically and mentally unimpaired and fit for duty, able to safely perform all essential job functions with no risk to self, coworkers, students, public, or property.

Supervisory Responsibility

May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

The above essential functions are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position.

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Minimum Required Education and Experience

	<u>Minimum</u>	<u>Focus of Education/Experience</u>
Education	Some college; vocational or Associate's Degree	Heating, Ventilating, and Air Conditioning systems, refrigeration, building control systems, electrical technology, electrical construction, or other related fields. Associate's degree preferred.
Experience (yrs.)	5	Experience in installation, maintenance, repair, and operation of a wide array of common plant system components.

Substitutions allowed for Education:

When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.

Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

Minimum Required Knowledge

Journeyman level knowledge regarding the installation, maintenance, repair, and proper operation of a wide array of complex district energy systems.

Journeyman level knowledge regarding a wide array of complex district energy systems components, such as chillers, boilers, variable frequency drives, valves, valve actuators, and flow meters.

Journeyman level knowledge regarding troubleshooting, assessment, and diagnostic techniques for complex district energy heating and cooling systems problems.

Journeyman level knowledge regarding project management and the planning, scheduling, and overseeing of district energy system repair projects.

Journeyman level knowledge of HVAC and BAS control systems and the ability to install, repair, and replace control components.

Knowledge of motor or equipment control systems and the ability to install, repair, and replace control components.

Knowledge regarding troubleshooting, assessment, and diagnostic techniques for routine energy plant electric systems problems.

Knowledge regarding the use of building automation systems, such as Johnson Controls Metasys system, to find and troubleshoot issues.

Knowledge of fire alarm and refrigerant alarm systems and how they interact with both district energy plant electrical systems and automated heating and cooling system operations and controls.

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Skills:

Supervisory skills along with the ability to communicate tasks and direction to subordinates in a clear and concise manner.

Ability to install, repair, and/or replace a wide array of district energy system components such as chillers, boilers, variable frequency drives, valves, valve actuators, and flow meters.

Ability to troubleshoot, assess, and diagnose routine district energy heating and cooling systems problems.

Ability to assist in planning and executing district energy system repair projects.

Ability to install, repair, and replace district energy system control components.

Ability to install, maintain, and repair a wide array of common electrical systems.

Ability to troubleshoot, assess, and diagnose heating and cooling plant electric systems problems.

Ability to install, repair, and replace heating and cooling plant equipment control components.

Ability to install, repair, and replace digital control components.

Ability to use building automation systems, such as Johnson Controls Metasys systems, to find and troubleshoot issues.

Certification or Licensure Requirements

Valid Driver's License.

Universal Refrigerant Card.

National Institute for the Uniform Licensing of Power Engineers (NIUPE) 5th Class Power Engineer Certification or approved equivalent per Auburn University Facilities Management Policy: "Training, Education, and Certification Requirements for Mechanical and Electrical Trades Personnel".

Physical Requirements/ADA

Frequent heavy or intense physical requirements, combined with exposure to a number of disagreeable elements, such as heat, cold, noise, dust, dirt, chemicals. Injury may require professional treatment or hospitalization. Constant precautions required.

Routine deadlines; usually sufficient lead time; variance in work volume seasonal and predictable; priorities can be anticipated; some interruptions are present; involves occasional exposure to demands and pressures from persons other than immediate supervisor.

Job frequently requires standing, walking, reaching, climbing or balancing, stooping/kneeling/crouching/crawling, hearing, handling objects with hands, and lifting up to 50 pounds.

Job occasionally requires sitting, talking, and lifting more than 100 pounds.

Date: 8/9/2019
