

1st Class Power Plant Engineer HVAC (First Shift)
Quinsigamond Community College

Direct Link: <https://www.AcademicKeys.com/r?job=254237>

Downloaded On: May. 20, 2025 9:29pm

Posted Mar. 11, 2025, set to expire Jul. 7, 2025

Job Title 1st Class Power Plant Engineer HVAC (First Shift)
Department Facilities
Institution Quinsigamond Community College
Worcester, Massachusetts

Date Posted Mar. 11, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Professional Staff

Academic Field(s) Facilities/Maintenance/Transportation

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Job Description

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1st Class Power Plant Engineer HVAC (First Shift)

Category: Maintenance/Trades

Department: Facilities

Locations: Worcester, MA

Posted:

Closes:

Type: Full Time

Position ID: 186130

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General Statement:

Installs heating, ventilating, air-conditioning, and refrigeration equipment, including related fixtures; checks equipment for malfunctioning; maintains and repairs equipment; and performs related work as required.

Supervision Received

Reports to Executive Director of Facilities or his designee

Supervision Exercised

Supervises 1-9 technical and/or tracks personnel as assigned.

Duties and Responsibilities

- Operates, maintains and repairs heating, ventilating and air conditioning systems, including chilled water recirculating pumps, chilled water condenser pumps, air compressors, firehouse fans, air-supply and recirculating fans, electric heating coils, electric cabinet unit heaters, electric baseboard radiation units, pedestal electric baseboard heating units, cooling coils and chilled water BTU meters, hyperchlorite water treatment system, high voltage main driver motors and refrigeration compressors.
- Operates a high voltage power distribution system including switches on generating equipment; operates, maintains and repairs generators and related equipment.
- Operates and maintains a sewerage and drainage system and an neutralized acid waste system, including pressurized main drain system and associated equipment.
- Inspects machinery; reads meters and gauges; performs tests on chilled water, boiled water and sea water to control pollution and quality of water; starts and stops equipment and machinery according to schedules.
- Operates, maintains and repairs piping systems such as those for methane and carbon monoxide gas monitoring and evaluation.
- Maintains operating logs, records and reports on all equipment; draws stock and materials for maintenance and repairs; measures and reports fuel levels to appropriate personnel.
- Implements the lubrication schedule for heating, ventilating and air conditioning equipment and auxiliary equipment.
- Orders supplies and equipment.
- Actively supports the teaching and learning process; practices honesty and integrity in and out of the classroom; strives to create and support a student-centered environment while fostering

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academic innovation and excellence.

- Works actively with other areas of the college to ensure a spirit of college wide collaboration, collegiality, civility, and teamwork. Respects the function of dissent in an academic institution while advancing a collegial atmosphere of campus collaboration.
- Embraces the ideals of diversity and inclusiveness and supports the equal rights of all people by advancing the understanding and appreciation of differences including age, race, gender, ability, religious convictions, socio-economic status, ethnic heritage, or sexual orientation.
- Provides flexible, responsive and high quality service to all, be they students, community, or staff, and continuously assesses processes and procedures and revises accordingly.
- Monitors, troubleshoots, operates and coordinates Building Management System and controls.
- Performs other duties as assigned.

Job Requirements:

Minimum Qualifications

- Knowledge of the principles, practices and techniques used in the operation of a power plant.
- Knowledge of the operation and maintenance of large electrical heating systems.
- Knowledge of the types and uses of electronic control systems.
- Knowledge of the operation, maintenance and repair of fire alarm systems, signal systems and control systems for mechanical and electrical systems.
- Knowledge of the operation and maintenance of outside electrical systems such as underground cables, transformer subsystems and vaults and subtransmission lines.
- Knowledge of the operating characteristics of electrical generating systems.
- Knowledge of the types and uses of industrial type heating systems.
- Knowledge of the principles of pneumatics as applied to heating, ventilating and air conditioning systems.
- Knowledge of the types and uses of pneumatic controls used in power plant operations.
- Knowledge of calibration and/or adjustment techniques as applied to pneumatic control systems.
- Knowledge of the fundamentals of electrical practice.
- Knowledge of the types and uses of precision measuring equipment used in a power plant such as manometers, voltmeters, anemometers, tachometers, etc.
- Knowledge of the types and uses of pumps used in water and fuel systems.
- Knowledge of the methods and techniques of pipefitting.
- Knowledge of the types and uses of chemicals used in water treatment.
- One year full-time, or equivalent part-time, technical experience in the installation, maintenance and repair of heating refrigeration, ventilating, and air-conditioning systems, or any equivalent combination, or certification of completion of a two-year program in refrigeration and heating from

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a recognized institution about the high school level.

Preferred Qualifications

- Building Management Systems and controls experience.
- Massachusetts Refrigeration Technician's License or other related trade License.

Additional Information:

Quinsigamond Community College is an affirmative action/equal opportunity employer and does not discriminate on the basis of race, color, national origin, ethnicity, gender, disability, religion, age, veteran status, genetic information, gender identity or sexual orientation in its programs and activities as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, and other applicable statutes and college policies. The College prohibits sexual harassment, including sexual violence. Inquiries or complaints concerning discrimination, harassment, retaliation, or sexual violence shall be referred to the College's Affirmative Action and/or Title IX Coordinator, the Massachusetts Commission against Discrimination, the Equal Employment Opportunities Commission or the United States Department of Education's Office for Civil Rights.

Quinsigamond Community College will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

Diversity, inclusion, and equity are core values at Quinsigamond Community College. We are passionate about building and sustaining an inclusive, respectful, and equitable environment for all students, staff, and faculty. Every member on our college campus enriches our diversity. We support inclusion and are dedicated to ensuring equity in access to opportunities.

Quinsigamond Community College is an equal opportunity/affirmative action employer. Members of underrepresented groups, minorities, women, veterans, persons with disabilities, and all persons committed to diversity and inclusive excellence are strongly encouraged to apply.

Successful applicants will be required to complete a Criminal Offender Record Information (CORI/SORI) request.

To apply, visit <http://qcc.interviewexchange.com/jobofferdetails.jsp?JOBID=186130>

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Facilities

Quinsigamond Community College

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